



# Service Catalog 2024

Date 20/11/2023

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# Service Catalog 2024

## False economy, can cost you dearly!

Those who follow a set of simple but effective maintenance rules carry out preventative maintenance of their compressed air dryer on a rolling 12-month basis. To prevent premature wear of other downstream components, nearly pre-and after-filter-elements, silencers and pilot-valves need replacing.

On a 24 month basis, individual dryer sizes also require a replacement of their main control-valves and non-return valves.

Where 12 and 24 month maintenance regimes are strictly adhered to, general overhaul of the dryer should be carried out after 48 months of operation. Together with parts which are generally replaced annually or bi-annually, the by now exhausted adsorption material including seals must be replaced. On some dryer sizes, the flow distributor should also be replaced.

Following this, the above mentioned and customary maintenance regime re-commences, thus preserving the users original capital outlay.



The service-package we offer consists of a tailor-made spare-parts program with which preventative maintenance work can be carried out inexpensively. During the formulation of these service packages, great care and attention was paid particularly to the choice of the parts required. Maintenance intervals have been calculated in such a way, to ensure that despite heavy demands made on frequently operated parts, these still continue to exhibit their optimum service life. In this way, the execution of regular maintenance means that stoppages are prevented before they occur. The use of service-kits avoids downtime losses.

Should plant shutdown actually happen, this can be a costly occurrence, not to mention the subsequent impact of having to restore operations. By using genuine original spare-parts users are establishing an optimum level of all-round protection, which enables them to safely run their systems at full capacity without fear of component breakdown. This approach saves money. The service packages themselves represent an inexpensive preventative tool, cheaper overall than the sum of their component parts. Ordering the right Service-kit couldn't be easier.



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### Attention!

This Service Catalogue refers only to Parker Zander standard manufactured dryer units. For special project fabricated dryers the parts can vary and deviate. If further support is needed in case of special project dryers maintenance please contact your local Parker Sales Company.

But how is it possible to differ between standard dryer or special project dryer?

One look to the nameplate of the dryer is enough to identify

Nameplate example standard dryer:



Nameplate example special project dryer with -oox at the end of product code:





## **Adsorption Dryers**

### **WVM Concept Series 7**

|                                                                 |    |
|-----------------------------------------------------------------|----|
| Generation 5 WVM 45-1450 Series from 05/2020 to the present day | 8  |
| Generation 4 WVM 40-1450 Series from 5/2012 to 04/2020          | 10 |
| Generation 3 WVM 40-1450 Series from 4/2009 to 4/2012           | 12 |
| Generation 2 WVM 40-1450 Series from 2007 to 4/2009             | 14 |
| Generation 1 WVM 40-1450 Series from 2000 to 2006               | 16 |

## **Heatless Adsorption Dryers**

### **Adsorption Dryers ecodry K-MT 1- 8, KM 5-115 Series 18**

|                                                                            |    |
|----------------------------------------------------------------------------|----|
| Generation 3 K-MT 1-8 (OIL-X filter) Series from 1/2019 to the present day | 19 |
| Generation 2 K-MT 1-8 Series from 7/2011 to 12/2018                        | 21 |
| Generation 1 K-MT 1-8 Series from 5/2003 to 4/2011                         | 23 |
| Generation 0 KM 5-115 Series up to mind 2003                               | 25 |

### **Adsorption Dryers ecodry K-MT 10-95, KE-MT 10-95, KEN-MT Series 27**

|                                                                              |    |
|------------------------------------------------------------------------------|----|
| Generation 3 K-MT 10-95 (OIL-X filter) Series from 1/2019 to the present day | 28 |
| Generation 2 K-MT 10-95 Series from 7/2011 to 12/2018                        | 30 |
| Generation 1 KE-MT 10-95 Series from 4/2007 to 7/2011                        | 32 |
| Generation 0 KEN-MT 200-1400 Series from 5/2003 to 4/2007                    | 34 |
| Generation -1 KEN 200-1400 Series from 9/2001 to 5/2003                      | 36 |
| Generation 1B KE-MT 120-600 Series from 4/2007 to the present day            | 38 |
| Generation 1A KEN-MT 2000-10000 Series from 3/2003 to 4/2007                 | 40 |
| Generation 0 KEN 2000-10000 Series from 9/2001 to 9/2003                     | 42 |

### **Adsorption Dryers ecodry KA-MT 1- 8, KMA 5-115 Series 44**

|                                                                             |    |
|-----------------------------------------------------------------------------|----|
| Generation 3 KA-MT 1-8 (OIL-X filter) Series from 1/2019 to the present day | 45 |
| Generation 2 KA-MT 1-8 Series from 7/2011 to 12/2018                        | 47 |
| Generation 1 KA-MT 1-8 Series from 5/2003 to 6/2011                         | 49 |
| Generation 0 KMA 5-115 Series up to mind 2003                               | 51 |

### **Adsorption Dryers ecodry KA-MT 10- 95, KEA 10-95, KEA 200-1400 53**

|                                                                               |    |
|-------------------------------------------------------------------------------|----|
| Generation 3 KA-MT 10-95 (OIL-X filter) Series from 1/2019 to the present day | 54 |
| Generation 2 KA-MT 10-95 Series from 7/2011 to 12/2018                        | 56 |
| Generation 1 KEA-MT 10-95 Series from 4/2007 to 7/2011                        | 58 |
| Generation 0 KEA-MT 200-1400 Series from 5/2003 to 4/2007                     | 60 |

### **Breathing Air Systems BSP-MT1-8, BS(P)-MT1-8, BS(P) 5-115 Series 62**

|                                                                              |    |
|------------------------------------------------------------------------------|----|
| Generation 3 BSP-MT 1-8 (OIL-X filter) Series from 1/2019 to the present day | 63 |
| Generation 2 BSP-MT 1-8 Series from 7/2011 to 12/2018                        | 65 |
| Generation 1 BS(P)-MT 1-8 Series from 4/2007 to 6/2011                       | 67 |
| Generation 0 BS(P) 5-115 Series up to mid. 5/2003                            | 69 |

### **Breathing Air Systems BSP-MT10-95, BS(P)-MT10-95, BS(P) 200-1400 Series 71**

|                                                                                |    |
|--------------------------------------------------------------------------------|----|
| Generation 3 BSP-MT 10-95 (OIL-X filter) Series from 1/2019 to the present day | 72 |
| Generation 2 BSP-MT 10-95 Series from 7/2011 to 12/2018                        | 74 |
| Generation 1 BS(P)-MT 10-95 Series from 4/2007 to 7/2011                       | 76 |
| Generation 0 BS(P)-MT 200-1400 Series from 4/2005 to 4/2007                    | 78 |
| Generation -1 BS(P)-MT 200-1400 Series from 5/2002 to 4/2005                   | 80 |

|                                                                             |            |
|-----------------------------------------------------------------------------|------------|
| <b>Adsorption Dryers HDK 18/25-550/50, HDK-MT 100 &amp; 350 Series</b>      | <b>82</b>  |
| Generation D0 HDK 18/25-550/50 from 2010 to the present day                 | 83         |
| Generation D2 HDK 100 & 350 from 2014 to the present day                    | 85         |
| Accessories D2 HDK 100 & 350 from 2014 to the present day                   | 87         |
| Generation D1 HDK 100 & 350 from 2008 to 2014                               | 91         |
| <b>Controller upgrades</b>                                                  | <b>95</b>  |
| Retrofit kits HCDC control                                                  | 96         |
| Retrofit kits ZDMC2 control                                                 | 97         |
| Retrofit kits Mutlitronic control                                           | 98         |
| <b>Oil-Vapour Adsorbers AK, AKM, AKN Series</b>                             | <b>99</b>  |
| Generation 3 AKM 1-8 (OIL-X filter) Series from 1/2019 to the present day   | 100        |
| Generation 2 AKM 1-8 Series from 7/2011 to 12/2018                          | 101        |
| Generation 1 AKM 1-8 Series from 4/2007 to 6/2011                           | 102        |
| Generation 0 AKM 5-115 Series up to mid. 7/2003                             | 103        |
| Generation 3 AKM 10-95 (OIL-X filter) Series from 1/2019 to the present day | 104        |
| Generation 2 AKM 10-95 Series from 7/2011 to 12/2018                        | 105        |
| Generation 1 AK 10-95 Series from 7/2007 to 6/2011                          | 106        |
| Generation 0 AKN 200-1400 Series up to 6/2003                               | 107        |
| Generation 2 AK 120-600 Series, AKN 2000-10000 Series                       | 108        |
| <b>Condensate Drain ED3000 and ED4100 Series</b>                            | <b>109</b> |
| <b>System planner for compressed air preparation</b>                        | <b>111</b> |

## WVM Concept Series



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# WVM Concept Series

## GENERATION 5

### from 5/2020 to the present day

For the maintenance of this product range, 12/36, 24 and 48 month service-kits are required, together with other components referenced below. Furthermore a 48 month maintenance interval requires a DESMIX-package (Adsorption material package) containing all filling-materials, seals and flow-distributor for the dryer model in question. It makes good sense to combine this 48 month inspection period with the periodic inspection requirements of the authorities for pressure vessel safety, where this is market relevant.

### 12 and 36 month interval

Material required: Service-kit, Pre- and after filter elements, Silencers, Dew-point sensor ZHM100/450.  
Service-kit contents: Filter elements for control-air.

| WVM          | Material required – PMC Order No. |                                                  |                       |            |  |
|--------------|-----------------------------------|--------------------------------------------------|-----------------------|------------|--|
| Product code | Service-kit                       | Filter-element                                   | Silencer              | Dew point  |  |
| WVM45-1450   | SKW45-W1450/VM5/12                | See replacement filter elements on opposite page | See table – 48 months | ZHM100/450 |  |

### 24 month interval

Material required: Service-kit, Pre-and after filter elements, Silencers, Dew-point sensor ZHM100/450  
Service-kit contents: Filter elements for control-air, solenoid for pilot valves,

| WVM          | Material required – PMC Order No. |                                                  |                       |            |  |
|--------------|-----------------------------------|--------------------------------------------------|-----------------------|------------|--|
| Product code | Service-kit                       | Filter-element                                   | Silencer              | Dew point  |  |
| WVM 45-1450  | SKW45-W1450/VM5/24                | See replacement filter elements on opposite page | See table – 48 months | ZHM100/450 |  |

### 48 month interval

Material required: Service-kit, Pre-and after filter elements, DESMIX- package (see oposite), Silencers  
Service-kit contents: Filter elements for control-air, Pneumatic block, expansion valve (V5), pressure build up valve (V4), maintenance parts for the regeneration gas flap (V3), check valve (RV)  
Options: Dew-point sensor ZHM100/450

| WVM             | Material required – PMC Order No. |                                                  |               |            |  |
|-----------------|-----------------------------------|--------------------------------------------------|---------------|------------|--|
| Product code    | Service-kit                       | Filter-element                                   | Silencer      | Dew point  |  |
| WVM 45 - 80     | SKW45-W80/VM5-E/48                | See replacement filter elements on opposite page | 1 X SDD-25/AL | ZHM100/450 |  |
| WVM 125 - 215   | SKW125-W210/VM5-E/48              |                                                  | 1 X SDD-25/AL |            |  |
| WVM 310 – 370   | SKW310-W370/VM5-E/48              |                                                  | 1 X SDD-25/AL |            |  |
| WVM 520 - 750   | SKW520-W750/VM5-E/48              |                                                  | 2 X SDD-25/AL |            |  |
| WVM 800 – 1080  | SKW800-W1080/VM5/48               |                                                  | 2 X SDD-25/AL |            |  |
| WVM 1230 - 1450 | SKW1230-W1450/VM5/48              |                                                  | 6 X SDD-40/AL |            |  |



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# WVM Concept Series

GENERATION 5  
from 5/2020 to the present day



## Contents of the DESMIX-package: All filling-materials, Seals and flow-distributor

| WVM             | PMC Order-No.  | WVM             | PMC Order-No.  | WVM             | PMC Order-No.  |
|-----------------|----------------|-----------------|----------------|-----------------|----------------|
| for Dryer model | DESMIX-package | for Dryer model | DESMIX-package | for Dryer model | DESMIX-package |
| WVM 45          | WVM45DESMIX    | WVM 210         | WVM210DESMIX   | WVM 750         | WVM750DESMIX   |
| WVM 60          | WVM60DESMIX    | WVM 310         | WVM310DESMIX   | WVM 800         | WVM800DESMIX   |
| WVM 80          | WVM80DESMIX    | WVM 370         | WVM370DESMIX   | WVM 1080        | WVM1080DESMIX  |
| WVM 125         | WVM125DESMIX   | WVM 520         | WVM520DESMIX   | WVM 1230        | WVM1230DESMIX  |
| WVM 155         | WVM155DESMIX   | WVM 615         | WVM615DESMIX   | WVM 1450        | WVM1450DESMIX  |

## Additional Spare-parts (Individual parts)

| for Dryer model | PMC Order-No.    | N° | Scope of supply                   | for Dryer model | PMC Order-No.    | N°                        |
|-----------------|------------------|----|-----------------------------------|-----------------|------------------|---------------------------|
| WVM 45 - 80     | RKSCD-F50/16/VA  | 2  | Flow-distributor at vessel outlet | WVM 45          | ET-ERC-W0045/VM5 | Heater electric contactor |
| WVM 125 - 210   | RKSCD-F80/16/VA  | 2  | Flow-distributor at vessel outlet | WVM 60 - 80     | ET-ERC-W0080/VM5 |                           |
| WVM 310 - 370   | RKSCD-F100/16/VA | 2  | Flow-distributor at vessel outlet | WVM 125 - 210   | ET-ERC-W0155/VM5 |                           |
| WVM 520 - 750   | RKSCD-F150/16/VA | 2  | Flow-distributor at vessel outlet | WVM 210 - 370   | ET-ERC-W0370/VM5 |                           |
| WVM 800 - 1080  | RKSCD-F200/16/VA | 2  | Flow-distributor at vessel outlet | WVM 520 - 750   | ET-ERC-W0750/VM5 |                           |
| WVM 1230 - 1450 | RKSCD-F250/16/VA | 2  | Flow-distributor at vessel outlet |                 |                  |                           |
| WVM 45 - 80     | GASKIT50W        | 1  | Flat-gasket DN40                  |                 |                  |                           |
| WVM 125 - 210   | GASKIT80W        | 1  | Flat-gasket DN50                  |                 |                  |                           |
| WVM 310 - 370   | GASKIT100W       | 1  | Flat-gasket DN80                  |                 |                  |                           |
| WVM 520 - 750   | GASKIT150W       | 1  | Flat-gasket DN100                 |                 |                  |                           |
| WVM 800 - 1080  | GASKIT200W       | 1  | Flat-gasket DN150                 |                 |                  |                           |
| WVM 1230 - 1450 | GASKIT250W       | 1  | Flat-gasket DN200                 |                 |                  |                           |

## Replacement filter elements for pre- and after filters

| for Dryer model | Dryer Inlet          | Dryer Outlet             |                                | Filtration Performance                          | High efficien. filter | Oil Vapour Reduc. Filter       | Gen. Purp.Dry Particulate filter |
|-----------------|----------------------|--------------------------|--------------------------------|-------------------------------------------------|-----------------------|--------------------------------|----------------------------------|
|                 | High effiec. Element | Oil Vapour Reduc. Filter | Gen. Purp. Dry Partic. element |                                                 |                       |                                |                                  |
| WVM 45          | P035AA               | AK_W on request          | P035AO                         | Filtration Grade                                | Grade AA              | ≤0.003 mg/m3<br>≤0.003 ppm (w) | Grade AO                         |
| WVM 60          | P040AA               |                          | P040AO                         | Filtration Type                                 | Coalescing            |                                | Dry Particulate                  |
| WVM 80          | P045AA               |                          | P045AO                         | Particle Reduction (inc water & oil aerosol)    | Down to 0.01 micron   |                                | Down to 1 micron                 |
| WVM 125 - 210   | 200AAx1              |                          | 200AOx1                        | Max. Remain. Oil Aerosol content at 21 °C       | ≤0.01 mg/m³           |                                | N/A                              |
| WVM 310 - 370   | 200AAx2              |                          | 200AOx2                        | Max- Remain. Oil Vapour content at system temp. | N/A                   |                                | N/A                              |
| WVM 520 - 615   | 200AAx3              |                          | 200AOx3                        | Filtration Efficiency                           | 99.9999%              |                                | 99.925%                          |
| WVM 750         | 200AAx4              |                          | 200AOx4                        |                                                 |                       |                                |                                  |
| WVM 800 - 1080  | -                    |                          | -                              |                                                 |                       |                                |                                  |
| WVM 1230 - 1450 | -                    |                          | -                              |                                                 |                       |                                |                                  |



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# WVM Concept Series

## GENERATION 4

from 5/2012 to 04/2020

For the maintenance of this product range, 12/36, 24 and 48 month service-kits are required, together with other components referenced below. Furthermore a 48 month maintenance interval requires a DESMIX-package (Adsorption material package) containing all filling-materials, seals and flow-distributor for the dryer model in question. It makes good sense to combine this 48 month inspection period with the periodic inspection requirements of the authorities for pressure vessel safety, where this is market relevant.

### 12 and 36 month interval

Material required: Service-kit, Pre- and after filter elements, Silencers  
 Service-kit contents: Filter elements for control-air, Pilot valves.  
 Options: Dew-point sensor ZHM100/450.

| WVM          | Material required – PMC Order No. |                                                  |                       | Options – PMC Order No. |  |
|--------------|-----------------------------------|--------------------------------------------------|-----------------------|-------------------------|--|
| Product code | Service-kit                       | Filter-element                                   | Silencer              | Others                  |  |
| WVM40-1450   | SKW40-W1450/VM4/12                | See replacement filter elements on opposite page | See table – 48 months | ZHM100/450              |  |

### 24 month interval

Material required: Service-kit, Pre-and after filter elements, Silencers  
 Service-kit contents: Filter elements for control-air, Pilot valves, Worn-parts-kit for the expansion valve (V5) and re-pressurisation valve (V4)  
 Options: Dew-point sensor ZHM100/450

| WVM           | Material required – PMC Order No. |                                                  |                       | Options – PMC Order No. |  |
|---------------|-----------------------------------|--------------------------------------------------|-----------------------|-------------------------|--|
| Product code  | Service-kit                       | Filter-element                                   | Silencer              | Others                  |  |
| WVM 40-355    | SKW40-W355/VM4/24                 | See replacement filter elements on opposite page | See table – 48 months | ZHM100/450              |  |
| WVM 410-710   | SKW410-W710/VM4/24                |                                                  |                       |                         |  |
| WVM 800-1080  | SKW800-W1080/VM4/24               |                                                  |                       |                         |  |
| WVM 1230-1450 | SKW1230-W1450/VM4/24              |                                                  |                       |                         |  |

### 48 month interval

Material required: Service-kit, Pre-and after filter elements, DESMIX- package (see oposite), Silencers  
 Service-kit contents: Filter elements for control-air, Solenoid valves, Worn-parts-kit for the expansion valve (V5) and re-pressurisation valve (V4), Worn-parts-kit for isolation valve (V3), Non-return valve (RV)  
 Options: Dew-point sensor ZHM100/450

| WVM            | Material required – PMC Order No. |          |                      |          |          |                                                  | Options       |             |
|----------------|-----------------------------------|----------|----------------------|----------|----------|--------------------------------------------------|---------------|-------------|
| Product code   | Service-kit                       |          |                      |          |          | Filter-element                                   | Silencer      | Others      |
|                | Old                               | until    | Actual               | from     | S.N.     |                                                  |               |             |
| WVM 40 - 50    | SKW40-W50/VM4/48                  | 22/07/18 | SKW40-W50/VM4-E/48   | 23/07/18 | 39954278 | See replacement filter elements on opposite page | 1 X SDD-25/AL | ZHM 100/450 |
| WVM 65 - 85    | SKW65-W85/VM4/48                  | 14/06/18 | SKW65-W85/VM4-E/48   | 15/06/18 | 39951814 |                                                  | 1 X SDD-25/AL |             |
| WVM 120 - 200  | SKW120-W200/VM4/48                | 22/03/18 | SKW120-W200/VM4-E/48 | 23/03/18 | 39944769 |                                                  | 1 X SDD-25/AL |             |
| WVM 235 - 355  | SKW235-W355/VM4/48                | 14/03/18 | SKW235-W355/VM4-E/48 | 15/03/18 | 39944122 |                                                  | 1 X SDD-25/AL |             |
| WVM 410 - 710  | SKW410-W710/VM4/48                | 08/05/18 | SKW410-W710/VM4-E/48 | 09/05/18 | 39948240 |                                                  | 2 X SDD-25/AL |             |
| WVM 800 - 1080 |                                   |          | SKW800-W1080/VM4/48  |          |          |                                                  | 2 X SDD-25/AL |             |
| WVM 1230-1450  |                                   |          | SKW1230-W1450/VM4/48 |          |          |                                                  | 6 X SDD-40/AL |             |



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# WVM Concept Series

**GENERATION 4**  
from 5/2012 to 04/2020



## Contents of the DESMIX-package: All filling-materials, Seals and flow-distributor

| WVM          | PMC Order-No.  | WVM          | PMC Order-No.  | WVM          | PMC Order-No.  | WVM          | PMC Order-No.  |
|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|
| Product Code | DESMIX-package | Product Code | DESMIX-package | Product Code | DESMIX-package | Product Code | DESMIX-package |
| WVM 40       | WVM40DESMIX    | WVM 150      | WVM150DESMIX   | WVM 410      | WVM410DESMIX   | WVM 800      | WVM800DESMIX   |
| WVM 50       | WVM50DESMIX    | WVM 200      | WVM200DESMIX   | WVM 475      | WVM475DESMIX   | WVM 920      | WVM920DESMIX   |
| WVM 65       | WVM65DESMIX    | WVM 235      | WVM235DESMIX   | WVM 525      | WVM525DESMIX   | WVM 1080     | WVM1080DESMIX  |
| WVM 85       | WVM85DESMIX    | WVM 300      | WVM300DESMIX   | WVM 620      | WVM620DESMIX   | WVM 1230     | WVM1230DESMIX  |
| WVM 120      | WVM120DESMIX   | WVM 355      | WVM355DESMIX   | WVM 710      | WVM710DESMIX   | WVM 1450     | WVM1450DESMIX  |

## Additional Spare-parts (Individual parts)

| for Dryer model | PMC Order-No.    | Quantity | Scope of supply                   |
|-----------------|------------------|----------|-----------------------------------|
| WVM 40 - 50     | RKSCD-F40/16/VA  | 2        | Flow-distributor at vessel outlet |
| WVM 65 - 85     | RKSCD-F50/16/VA  | 2        | Flow-distributor at vessel outlet |
| WVM 120 - 200   | RKSCD-F80/16/VA  | 2        | Flow-distributor at vessel outlet |
| WVM 235 - 355   | RKSCD-F100/16/VA | 2        | Flow-distributor at vessel outlet |
| WVM 410 - 710   | RKSCD-F150/16/VA | 2        | Flow-distributor at vessel outlet |
| WVM 800 - 1080  | RKSCD-F200/10/VA | 2        | Flow-distributor at vessel outlet |
| WVM 1230 - 1450 | RKSCD-F250/10/VA | 2        | Flow-distributor at vessel outlet |
| WVM 40 - 50     | GASKIT40W        | 1        | Flat-gasket DN40                  |
| WVM 65 - 85     | GASKIT50W        | 1        | Flat-gasket DN50                  |
| WVM 120 - 200   | GASKIT80W        | 1        | Flat-gasket DN80                  |
| WVM 235 - 355   | GASKIT100W       | 1        | Flat-gasket DN100                 |
| WVM 410 - 710   | GASKIT150W       | 1        | Flat-gasket DN150                 |
| WVM 800 - 1080  | GASKIT200W       | 1        | Flat-gasket DN200                 |
| WVM 1230 - 1450 | GASKIT250W       | 1        | Flat-gasket DN250                 |

## Replacement filter elements for pre- and after filters

| Filter housing code         | Filter-element PMC Order-No | Quantity | Filter housing code        | Filter-element PMC Order-No | Quantity |
|-----------------------------|-----------------------------|----------|----------------------------|-----------------------------|----------|
| Element grade VL, ZL, XL, A |                             |          | Element grade V, ZP, XP, A |                             |          |
| GL12_                       | CP4040_                     |          | F14_                       | 3050_                       | 1        |
| GL13_                       | CP4050_                     |          | F17_                       | 3075_                       | 1        |
| GL14_                       | CP4065_                     |          | F19_                       | 5075_                       | 1        |
| GL17_                       | CP5065_                     |          | F20_                       | 3075_                       | 2        |
| GL19_                       | CP5080_                     |          | F30_                       | 3075_                       | 3        |
|                             |                             |          | F40_                       | 3075_                       | 4        |
|                             |                             |          | F60_                       | 3075_                       | 6        |
|                             |                             |          | F80_                       | 3075_                       | 8        |
|                             |                             |          | F100_                      | 3075_                       | 10       |
|                             |                             |          | F120_                      | 3075_                       | 12       |

The code spacing\_ should contain the filter-element grade required.

Example: Filter GL14XL containing filter element CP4065XL or filter F19XP containing with filter element 5075XP.



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# WVM Concept Series

## GENERATION 3

from 4/2009 to 4/2012

For the maintenance of this product range, 12/36, 24 and 48 month service-kits are required, together with other components referenced below. Furthermore a 48 month maintenance interval requires a DESMIX-package (Adsorption material package) containing all filling-materials, seals and flow-distributor for the dryer model in question. It makes good sense to combine this 48 month inspection period with the periodic inspection requirements of the authorities for pressure vessel safety, where this is market relevant.

### 12 and 36 month interval

Material required: Service-kit, Pre- and after filter elements, Silencers  
 Service-kit contents: Filter elements for control-air, Pilot valves.  
 Options: Dew-point sensor ZHM100/450.

| WVM           | Material required – PMC Order No. |                                                  |                       | Options – PMC Order No. |  |
|---------------|-----------------------------------|--------------------------------------------------|-----------------------|-------------------------|--|
| Product code  | Service-kit                       | Filter-element                                   | Silencer              | Others                  |  |
| WVM 40 - 1450 | WVM312A                           | See replacement filter elements on opposite page | See table – 48 months | ZHM100/450              |  |

### 24 month interval

Material required: Service-kit, Pre-and after filter elements, Silencers  
 Service-kit contents: Filter elements for control-air, Pilot valves, Worn-parts-kit for the expansion valve (V5) and re-pressurisation valve (V4)  
 Options: Dew-point sensor ZHM100/450

| WVM             | Material required – PMC Order No. |                                                  |                       | Options – PMC Order No. |  |
|-----------------|-----------------------------------|--------------------------------------------------|-----------------------|-------------------------|--|
| Product code    | Service-kit                       | Filter-element                                   | Silencer              | Others                  |  |
| WVM 40 - 355    | WVM324A                           | See replacement filter elements on opposite page | See table – 48 months | ZHM100/450              |  |
| WVM 410 - 710   | WVM324B                           |                                                  |                       |                         |  |
| WVM 800 - 1080  | WVM324C                           |                                                  |                       |                         |  |
| WVM 1230 - 1450 | WVM324D                           |                                                  |                       |                         |  |

### 48 month interval

Material required: Service-kit, Pre-and after filter elements, DESMIX- package (see oposite), Silencers  
 Service-kit contents: Filter elements for control-air, Solenoid valves, Worn-parts-kit for the expansion valve (V5) and re-pressurisation valve (V4), Worn-parts-kit for isolation valve (V3), Non-return valve (RV)  
 Options: Dew-point sensor ZHM100/450

| WVM             | Material required – PMC Order No. |                                                  |               | Options – PMC Order No. |  |
|-----------------|-----------------------------------|--------------------------------------------------|---------------|-------------------------|--|
| Product code    | Service-kit                       | Filter-element                                   | Silencer      | Others                  |  |
| WVM 40 - 50     | WVM348A                           | See replacement filter elements on opposite page | 1 X SDD-25/AL | ZHM100/450              |  |
| WVM 65 - 85     | WVM348B                           |                                                  | 1 X SDD-25/AL |                         |  |
| WVM 120 – 200   | WVM348C                           |                                                  | 1 X SDD-25/AL |                         |  |
| WVM 235 - 355   | WVM348D                           |                                                  | 1 X SDD-25/AL |                         |  |
| WVM 410 – 710   | WVM348E                           |                                                  | 2 X SDD-25/AL |                         |  |
| WVM 800 - 1080  | WVM348F                           |                                                  | 2 X SDD-25/AL |                         |  |
| WVM 1230 - 1450 | WVM348G                           |                                                  | 6 X SDD-40/AL |                         |  |



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# WVM Concept Series

GENERATION 3  
from 4/2009 to 4/2012



## Contents of the DESMIX-package: All filling-materials, Seals and flow-distributor

| WVM          | PMC Order-No.  | WVM          | PMC Order-No.  | WVM          | PMC Order-No.  | WVM          | PMC Order-No.  |
|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|
| Product Code | DESMIX-package | Product Code | DESMIX-package | Product Code | DESMIX-package | Product Code | DESMIX-package |
| WVM 40       | WVM40DESMIX    | WVM 150      | WVM150DESMIX   | WVM 410      | WVM410DESMIX   | WVM 800      | WVM800DESMIX   |
| WVM 50       | WVM50DESMIX    | WVM 200      | WVM200DESMIX   | WVM 475      | WVM475DESMIX   | WVM 920      | WVM920DESMIX   |
| WVM 65       | WVM65DESMIX    | WVM 235      | WVM235DESMIX   | WVM 525      | WVM525DESMIX   | WVM 1080     | WVM1080DESMIX  |
| WVM 85       | WVM85DESMIX    | WVM 300      | WVM300DESMIX   | WVM 620      | WVM620DESMIX   | WVM 1230     | WVM1230DESMIX  |
| WVM 120      | WVM120DESMIX   | WVM 355      | WVM355DESMIX   | WVM 710      | WVM710DESMIX   | WVM 1450     | WVM1450DESMIX  |

## Additional Spare-parts (Individual parts)

| for Dryer model | PMC Order-No.    | Quantity | Scope of supply                   |
|-----------------|------------------|----------|-----------------------------------|
| WVM 40 - 50     | RKSCD-F40/16/VA  | 2        | Flow-distributor at vessel outlet |
| WVM 65 - 85     | RKSCD-F50/16/VA  | 2        | Flow-distributor at vessel outlet |
| WVM 120 - 200   | RKSCD-F80/16/VA  | 2        | Flow-distributor at vessel outlet |
| WVM 235 - 355   | RKSCD-F100/16/VA | 2        | Flow-distributor at vessel outlet |
| WVM 410 - 710   | RKSCD-F150/16/VA | 2        | Flow-distributor at vessel outlet |
| WVM 800 - 1080  | RKSCD-F200/10/VA | 2        | Flow-distributor at vessel outlet |
| WVM 1230 - 1450 | RKSCD-F250/10/VA | 2        | Flow-distributor at vessel outlet |
| WVM 40 - 50     | GASKIT40W        | 1        | Flat-gasket DN40                  |
| WVM 65 - 85     | GASKIT50W        | 1        | Flat-gasket DN50                  |
| WVM 120 - 200   | GASKIT80W        | 1        | Flat-gasket DN80                  |
| WVM 235 - 355   | GASKIT100W       | 1        | Flat-gasket DN100                 |
| WVM 410 - 710   | GASKIT150W       | 1        | Flat-gasket DN150                 |
| WVM 800 - 1080  | GASKIT200W       | 1        | Flat-gasket DN200                 |
| WVM 1230 - 1450 | GASKIT250W       | 1        | Flat-gasket DN250                 |

## Replacement filter elements for pre- and after filters

| Filter housing code         | Filter-element PMC Order-No | Quantity | Filter housing code        | Filter-element PMC Order-No | Quantity | Filter housing code        | Filter-element PMC Order-No | Quantity |
|-----------------------------|-----------------------------|----------|----------------------------|-----------------------------|----------|----------------------------|-----------------------------|----------|
| Element grade VL, ZL, XL, A |                             |          | Element grade V, ZP, XP, A |                             |          | Element grade V, ZP, XP, A |                             |          |
| G12_                        | 2030_                       |          | F14_                       | 3050_                       | 1        | F40_                       | 3075_                       | 4        |
| G13_                        | 2050_                       |          | F17_                       | 3075_                       | 1        | F60_                       | 3075_                       | 6        |
| G14_                        | 3050_                       |          | F19_                       | 5075_                       | 1        | F80_                       | 3075_                       | 8        |
| G17_                        | 3075_                       |          | F20_                       | 3075_                       | 2        | F100_                      | 3075_                       | 10       |
| G18_                        | 5060_                       |          | F30_                       | 3075_                       | 3        | F120_                      | 3075_                       | 12       |
| G19_                        | 5075_                       |          |                            |                             |          |                            |                             |          |

The code spacing\_ should contain the filter-element grade required.

Example: Filter GL14XL containing filter element CP4065XL or filter F19XP containing with filter element 5075XP.



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# WVM Concept Series

## GENERATION 2

from 2007 to 4/2009

For the maintenance of this product range, 12/36, 24 and 48 month service-kits are required, together with other components referenced below. Furthermore a 48 month maintenance interval requires a DESMIX-package (Adsorption material package) containing all filling-materials, seals and flow-distributor for the dryer model in question. It makes good sense to combine this 48 month inspection period with the periodic inspection requirements of the authorities for pressure vessel safety, where this is market relevant.

### 12 and 36 month interval

Material required: Service-kit, Pre- and after filter elements, Silencers  
 Service-kit contents: Filter elements for control-air, Pilot valves.  
 Options: Dew-point sensor ZHM100/450.

| WVM           | Material required – PMC Order No. |                                                  |                       | Options – PMC Order No. |  |
|---------------|-----------------------------------|--------------------------------------------------|-----------------------|-------------------------|--|
| Product code  | Service-kit                       | Filter-element                                   | Silencer              | Others                  |  |
| WVM 40 - 1450 | WVM212A                           | See replacement filter elements on opposite page | See table – 48 months | ZHM100/450              |  |

### 24 month interval

Material required: Service-kit, Pre-and after filter elements, Silencers  
 Service-kit contents: Filter elements for control-air, Pilot valves, Worn-parts-kit for the expansion valve (V5) and re-pressurisation valve (V4)  
 Options: Dew-point sensor ZHM100/450

| WVM             | Material required – PMC Order No. |                                                  |                       | Options – PMC Order No. |  |
|-----------------|-----------------------------------|--------------------------------------------------|-----------------------|-------------------------|--|
| Product code    | Service-kit                       | Filter-element                                   | Silencer              | Others                  |  |
| WVM 40 - 355    | WVM224A                           | See replacement filter elements on opposite page | See table – 48 months | ZHM100/450              |  |
| WVM 410 - 710   | WVM224B                           |                                                  |                       |                         |  |
| WVM 800 - 1080  | WVM224C                           |                                                  |                       |                         |  |
| WVM 1230 - 1450 | WVM224D                           |                                                  |                       |                         |  |

### 48 month interval

Material required: Service-kit, Pre-and after filter elements, DESMIX- package (see oposite), Silencers  
 Service-kit contents: Filter elements for control-air, Solenoid valves, Worn-parts-kit for the expansion valve (V5) and re-pressurisation valve (V4), Worn-parts-kit for isolation valve (V3), Non-return valve (RV)  
 Options: Dew-point sensor ZHM100/450

| WVM            | Material required – PMC Order No. |                                                  |               | Options – PMC Order No. |  |
|----------------|-----------------------------------|--------------------------------------------------|---------------|-------------------------|--|
| Product code   | Service-kit                       | Filter-element                                   | Silencer      | Others                  |  |
| WVM 40 - 50    | WVM248A                           | See replacement filter elements on opposite page | 1 X SDD-25/AL | ZHM100/450              |  |
| WVM 65 - 85    | WVM248B                           |                                                  | 1 X SDD-25/AL |                         |  |
| WVM 120 – 200  | WVM248C                           |                                                  | 1 X SDD-25/AL |                         |  |
| WVM 235 - 355  | WVM248D                           |                                                  | 1 X SDD-25/AL |                         |  |
| WVM 410 – 710  | WVM248E                           |                                                  | 2 X SDD-25/AL |                         |  |
| WVM 800 - 1080 | WVM248F                           |                                                  | 2 X SDD-25/AL |                         |  |
| WVM 1230-1450  | WVM248G                           |                                                  | 6 X SDD-40/AL |                         |  |



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# WVM Concept Series

GENERATION 2  
from 2007 to 4/2009



## Contents of the DESMIX-package: All filling-materials, Seals and flow-distributor

| WVM          | PMC Order-No.  | WVM          | PMC Order-No.  | WVM          | PMC Order-No.  | WVM          | PMC Order-No.  |
|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|
| Product Code | DESMIX-package | Product Code | DESMIX-package | Product Code | DESMIX-package | Product Code | DESMIX-package |
| WVM 40       | WVM40DESMIX    | WVM 150      | WVM150DESMIX   | WVM 410      | WVM410DESMIX   | WVM 800      | WVM800DESMIX   |
| WVM 50       | WVM50DESMIX    | WVM 200      | WVM200DESMIX   | WVM 475      | WVM475DESMIX   | WVM 920      | WVM920DESMIX   |
| WVM 65       | WVM65DESMIX    | WVM 235      | WVM235DESMIX   | WVM 525      | WVM525DESMIX   | WVM 1080     | WVM1080DESMIX  |
| WVM 85       | WVM85DESMIX    | WVM 300      | WVM300DESMIX   | WVM 620      | WVM620DESMIX   | WVM 1230     | WVM1230DESMIX  |
| WVM 120      | WVM120DESMIX   | WVM 355      | WVM355DESMIX   | WVM 710      | WVM710DESMIX   | WVM 1450     | WVM1450DESMIX  |

## Generation Update

These parts have been chosen in such a way that component updating to the current specification is possible. As deviations can occur, please contact your Parker sales office prior to carrying out this work. Please ensure when contacting Parker that you are in possession of the construction number of the dryer in question or of the control cabinet.

| WVM           | Material required – PMC Order No. |                  |  | Optional PMC Order-No. |  |
|---------------|-----------------------------------|------------------|--|------------------------|--|
| Product Code  | Controls                          | Valve-technology |  |                        |  |
| WVM 40 - 200  | UK-ZDMC-W40-200                   |                  |  |                        |  |
| WVM 235 - 475 | UK-ZDMC-W235-475                  |                  |  |                        |  |
| WVM 525 - 800 | UK-ZDMC-W525-800                  |                  |  |                        |  |

Additional Spare-parts (Individual parts), see Generation 3 or 4.

## Replacement filter elements for pre- and after filters

| Filter housing code         | Filter-element PMC Order-No | Filter housing code        | Filter-element PMC Order-No | Quantity | Filter housing code        | Filter-element PMC Order-No | Quantity |
|-----------------------------|-----------------------------|----------------------------|-----------------------------|----------|----------------------------|-----------------------------|----------|
| Element grade VL, ZL, XL, A |                             | Element grade V, ZP, XP, A |                             |          | Element grade V, ZP, XP, A |                             |          |
| G12_                        | 2030_                       | F14_                       | 3050_                       | 1        | F40_                       | 3075_                       | 4        |
| G13_                        | 2050_                       | F17_                       | 3075_                       | 1        | F60_                       | 3075_                       | 6        |
| G14_                        | 3050_                       | F19_                       | 5075_                       | 1        | F80_                       | 3075_                       | 8        |
| G17_                        | 3075_                       | F20_                       | 3075_                       | 2        | F100_                      | 3075_                       | 10       |
| G18_                        | 5060_                       | F30_                       | 3075_                       | 3        | F120_                      | 3075_                       | 12       |
| G19_                        | 5075_                       |                            |                             |          |                            |                             |          |

The code spacing\_ should contain the filter-element grade required.

Example: Filter GL14XL containing filter element CP4065XL or filter F19XP containing with filter element 5075XP.



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# WVM Concept Series

## GENERATION 1

### from 2000 to 2006

For the maintenance of this product range, 12/36, 24 and 48 month service-kits are required, together with other components referenced below. Furthermore a 48 month maintenance interval requires a DESMIX-package (Adsorption material package) containing all filling-materials, seals and flow-distributor for the dryer model in question. It makes good sense to combine this 48 month inspection period with the periodic inspection requirements of the authorities for pressure vessel safety, where this is market relevant.

### 12 and 36 month interval

Material required: Service-kit, Pre- and after filter elements, Silencers  
 Service-kit contents: Filter elements for control-air, Pilot valves.  
 Options: Dew-point sensor ZHM100/450.

| WVM           | Material required – PMC Order No. |                                                  |                       | Options – PMC Order No. |  |
|---------------|-----------------------------------|--------------------------------------------------|-----------------------|-------------------------|--|
| Product code  | Service-kit                       | Filter-element                                   | Silencer              | Others                  |  |
| WVM 40 - 1450 | WVM12A                            | See replacement filter elements on opposite page | See table – 48 months | ZHM100/450              |  |

### 24 month interval

Material required: Service-kit, Pre-and after filter elements, Silencers  
 Service-kit contents: Filter elements for control-air, Pilot valves, Worn-parts-kit for the expansion valve (V5) and re-pressurisation valve (V4)  
 Options: Dew-point sensor ZHM100/450

| WVM             | Material required – PMC Order No. |                                                  |                       | Options – PMC Order No. |  |
|-----------------|-----------------------------------|--------------------------------------------------|-----------------------|-------------------------|--|
| Product code    | Service-kit                       | Filter-element                                   | Silencer              | Others                  |  |
| WVM 40 - 355    | WVM24A                            | See replacement filter elements on opposite page | See table – 48 months | ZHM100/450              |  |
| WVM 410 - 710   | WVM24B                            |                                                  |                       |                         |  |
| WVM 800 - 1080  | WVM24C                            |                                                  |                       |                         |  |
| WVM 1230 - 1450 | WVM24D                            |                                                  |                       |                         |  |

### 48 month interval

Material required: Service-kit, Pre-and after filter elements, DESMIX- package (see oposite), Silencers  
 Service-kit contents: Filter elements for control-air, Solenoid valves, Worn-parts-kit for the expansion valve (V5) and re-pressurisation valve (V4), Worn-parts-kit for isolation valve (V3), Non-return valve (RV)  
 Options: Dew-point sensor ZHM100/450

| WVM            | Material required – PMC Order No. |                                                  |               | Options – PMC Order No. |  |
|----------------|-----------------------------------|--------------------------------------------------|---------------|-------------------------|--|
| Product code   | Service-kit                       | Filter-element                                   | Silencer      | Others                  |  |
| WVM 40 - 50    | WVM48A                            | See replacement filter elements on opposite page | 1 X SDD-25/AL | ZHM100/450              |  |
| WVM 65 - 85    | WVM48B                            |                                                  | 1 X SDD-25/AL |                         |  |
| WVM 120 – 200  | WVM48C                            |                                                  | 1 X SDD-25/AL |                         |  |
| WVM 235 - 355  | WVM48D                            |                                                  | 1 X SDD-25/AL |                         |  |
| WVM 410 – 710  | WVM48E                            |                                                  | 2 X SDD-25/AL |                         |  |
| WVM 800 - 1080 | WVM48F                            |                                                  | 2 X SDD-25/AL |                         |  |
| WVM 1230-1450  | WVM48G                            |                                                  | 6 X SDD-40/AL |                         |  |



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# WVM Concept Series

GENERATION 1  
from 2000 to 2006



## Contents of the DESMIX-package: All filling-materials, Seals and flow-distributor

| WVM          | PMC Order-No.  | WVM          | PMC Order-No.  | WVM          | PMC Order-No.  | WVM          | PMC Order-No.  |
|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|
| Product Code | DESMIX-package | Product Code | DESMIX-package | Product Code | DESMIX-package | Product Code | DESMIX-package |
| WVM 40       | WVM40DESMIX    | WVM 150      | WVM150DESMIX   | WVM 410      | WVM410DESMIX   | WVM 800      | WVM800DESMIX   |
| WVM 50       | WVM50DESMIX    | WVM 200      | WVM200DESMIX   | WVM 475      | WVM475DESMIX   | WVM 920      | WVM920DESMIX   |
| WVM 65       | WVM65DESMIX    | WVM 235      | WVM235DESMIX   | WVM 525      | WVM525DESMIX   | WVM 1080     | WVM1080DESMIX  |
| WVM 85       | WVM85DESMIX    | WVM 300      | WVM300DESMIX   | WVM 620      | WVM620DESMIX   | WVM 1230     | WVM1230DESMIX  |
| WVM 120      | WVM120DESMIX   | WVM 355      | WVM355DESMIX   | WVM 710      | WVM710DESMIX   | WVM 1450     | WVM1450DESMIX  |

## Additional Spare-parts (Individual parts)

| for Dryer model | PMC Order-No.    | Quantity | Scope of supply                   |
|-----------------|------------------|----------|-----------------------------------|
| WVM 40 - 50     | RKSCD-F40/16/VA  | 2        | Flow-distributor at vessel outlet |
| WVM 65 - 85     | RKSCD-F50/16/VA  | 2        | Flow-distributor at vessel outlet |
| WVM 120 - 200   | RKSCD-F80/16/VA  | 2        | Flow-distributor at vessel outlet |
| WVM 235 - 355   | RKSCD-F100/16/VA | 2        | Flow-distributor at vessel outlet |
| WVM 410 - 710   | RKSCD-F150/16/VA | 2        | Flow-distributor at vessel outlet |
| WVM 800 - 1080  | RKSCD-F200/10/VA | 2        | Flow-distributor at vessel outlet |
| WVM 1230 - 1450 | RKSCD-F250/10/VA | 2        | Flow-distributor at vessel outlet |
| WVM 40 - 50     | GASKIT40W        | 1        | Flat-gasket DN40                  |
| WVM 65 - 85     | GASKIT50W        | 1        | Flat-gasket DN50                  |
| WVM 120 - 200   | GASKIT80W        | 1        | Flat-gasket DN80                  |
| WVM 235 - 355   | GASKIT100W       | 1        | Flat-gasket DN100                 |
| WVM 410 - 710   | GASKIT150W       | 1        | Flat-gasket DN150                 |
| WVM 800 - 1080  | GASKIT200W       | 1        | Flat-gasket DN200                 |
| WVM 1230 - 1450 | GASKIT250W       | 1        | Flat-gasket DN250                 |

## Replacement filter elements for pre- and after filters

| Filter housing code         | Filter-element PMC Order-No | Filter housing code        | Filter-element PMC Order-No | Quantity | Filter housing code        | Filter-element PMC Order-No | Quantity |
|-----------------------------|-----------------------------|----------------------------|-----------------------------|----------|----------------------------|-----------------------------|----------|
| Element grade VL, ZL, XL, A |                             | Element grade V, ZP, XP, A |                             |          | Element grade V, ZP, XP, A |                             |          |
| G12_                        | 2030_                       | F14_                       | 3050_                       | 1        | F40_                       | 3075_                       | 4        |
| G13_                        | 2050_                       | F17_                       | 3075_                       | 1        | F60_                       | 3075_                       | 6        |
| G14_                        | 3050_                       | F19_                       | 5075_                       | 1        | F80_                       | 3075_                       | 8        |
| G17_                        | 3075_                       | F20_                       | 3075_                       | 2        | F100_                      | 3075_                       | 10       |
| G18_                        | 5060_                       | F30_                       | 3075_                       | 3        | F120_                      | 3075_                       | 12       |
| G19                         | 5075                        |                            |                             |          |                            |                             |          |

The code spacing\_ should contain the filter-element grade required.

Example: Filter GL14XL containing filter element CP4065XL or filter F19XP containing with filter element 5075XP.



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# Heatless Adsorption Dryers

K-MT 1-8, KM 5-115 Series



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# K-MT 1-8 Series

## GENERATION 3 (OIL-X filter)

### From 01/2019 to the present day

For the maintenance of this product range, 12/36, 24 and 48 month service-kits are required, together with other components referenced below. Furthermore a 48 month maintenance interval requires an exchange of desiccant (see DESPACs).

### 12 and 36 month interval

Material required: Service-kit  
 Service-kit contents: Re-set module, silencer, filter elements  
 Options: Dew-point sensor ZHM100/450.

| K-MT         | Material required - PMC Order-No. |               |  | Options - PMC Order-No. |  |
|--------------|-----------------------------------|---------------|--|-------------------------|--|
| Product Code | Service-kit                       | Mains voltage |  | Others                  |  |
| K-MT 1-4     | SKK1-K4/D3/12                     | 115V, 230V    |  | ZHM100/450              |  |
| K-MT 6-7     | SKK6-K7/D3/12                     |               |  |                         |  |
| K-MT 8       | SKK8/D3/12                        |               |  |                         |  |

### 24 month interval

Material required: Service-kit  
 Service-kit contents: Re-set module, silencer, filter elements, wear part set for in-/outlet-valves  
 Options: Dew point sensor ZHM100/450

| K-MT         | Material required - PMC Order-No. |               |  | Options - PMC Order-No. |  |
|--------------|-----------------------------------|---------------|--|-------------------------|--|
| Product Code | Service-kit                       | Mains voltage |  | Others                  |  |
| K-MT 1-4     | SKK1-K4/D3/24                     | 115V, 230V    |  | ZHM100/450              |  |
| K-MT 6-7     | SKK6-K7/D3/24                     |               |  |                         |  |
| K-MT 8       | SKK8/D3/24                        |               |  |                         |  |

### 48 month interval

Material required: Service-kit, DESPACs see on opposite page  
 Service-kit contents: Re-set module, silencer, filter elements, perforated plates, perforated plate gaskets, solenoid coils 230V, wear part set for in-/outlet-valves, non-return valves, 2 demister pads,  
 Options: Dew point sensor ZHM100/450

| K-MT         | Material required - PMC Order-No. |               |  | Options - PMC Order-No. |  |
|--------------|-----------------------------------|---------------|--|-------------------------|--|
| Product Code | Service-kit                       | Mains voltage |  | Others                  |  |
| K-MT 1-4     | SKK1-K4/D3/48                     | 230V          |  | ZHM/100/450             |  |
|              | SKK1-K4/D3/48/115                 | 115V          |  |                         |  |
| K-MT 6-7     | SKK6-K7/D3/48                     | 230V          |  |                         |  |
|              | SKK6-K7/D3/48/115                 | 115V          |  |                         |  |
| K-MT 8       | SKK8/D3/48                        | 230V          |  |                         |  |
|              | SKK8/D3/48/115                    | 115V          |  |                         |  |

Options : coils only for 50Hz (398H254061)



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# K-MT 1-8 Series

GENERATION 3 (OIL-X filter)  
From 01/2019 to the present day



## DESPACs

48 month interval

Content DESPACs: Molecular sieve in 1 kg, 4 kg or 15 kg packs

| PMC Order-No. | K-MT 1 | K-MT 2 | K-MT 3 | K-MT 4 | K-MT 6 | K-MT 7 | K-MT 8 |
|---------------|--------|--------|--------|--------|--------|--------|--------|
| DESPAC1MS     | 1      |        | 1      |        |        | 2      | 1      |
| DESPAC4MS     |        | 1      | 1      | 2      |        |        | 1      |
| DESPAC15MS    |        |        |        |        | 1      | 1      | 1      |

Replacement filter elements for pre- and after filters (filter elements are included in the service-kit)

| K-MT         | PMC Order-No.   |               |                   |               |
|--------------|-----------------|---------------|-------------------|---------------|
| Product code | Upstream filter | Element grade | Downstream filter | Element grade |
| K-MT 1       | AAPX010AGFX     | P010AA        | AOPX010AGMX       | P010AO        |
| K-MT 2       | AAPX010AGFX     | P010AA        | AOPX010AGMX       | P010AO        |
| K-MT 3       | AAPX010AGFX     | P010AA        | AOPX010AGMX       | P010AO        |
| K-MT 4       | AAPX010AGFX     | P010AA        | AOPX010AGMX       | P010AO        |
| K-MT 6       | AAPX015AGFX     | P015AA        | AOPX015AGMX       | P015AO        |
| K-MT 7       | AAPX015AGFX     | P015AA        | AOPX015AGMX       | P015AO        |
| K-MT 8       | AAPX020AGFX     | P020AA        | AOPX020AGMX       | P020AO        |

The code spacing\_ should contain the filter-element grade required. Example: Filter AAP010AGFI containing filter-element P010AA.

## Loose accessories

| Suitable for | PMC Order-No. | Use                     | Suitable for | PMC Order-No.   | Use                   |
|--------------|---------------|-------------------------|--------------|-----------------|-----------------------|
| K-MT 1 - 8   | VASRGR/K1-K8  | Balance-line            | K-MT 1 - 4   | VASVPB/K1-K4/08 | Starting device G1/4i |
| K-MT 1 - 95  | VASDPD/K1-K95 | Dew point measurement   | K-MT 6 - 7   | VASVPB/K6-K7/15 | Starting device G1/2i |
| K-MT 1 - 95  | VASMBS420     | Signal Splitter 4-20 mA | K-MT 8       | VASVPB/K8/20    | Starting device G3/4i |
| K-MT 1 - 95  | VASNOZ/K1-K95 | Nozzle-kit              | K-MT 1 - 4   | VASF3/K1-K4     | Fine filter silencer  |
| K-MT 1 - 8   | VASSDD08/15   | Silencer                | K-MT 6 - 8   | VASF5/K6-K8     | Fine filter silencer  |



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# K-MT 1-8 Series

## GENERATION 2

**From 07/2011 to 12/2018**

For the maintenance of this product range, 12/36, 24 and 48 month service-kits are required, together with other components referenced below. Furthermore a 48 month maintenance interval requires an exchange of desiccant (see DESPACs).

### 12 and 36 month interval

Material required: Service-kit  
 Service-kit contents: Re-set module, silencer, filter elements  
 Options: Dew-point sensor ZHM100/450.

| K-MT         | Material required - PMC Order-No. |  |  | Options - PMC Order-No. |  |
|--------------|-----------------------------------|--|--|-------------------------|--|
| Product Code | Service-kit                       |  |  | Others                  |  |
| K-MT 1-4     | SKK1-K4/D2/12                     |  |  | ZHM100/450              |  |
| K-MT 6-7     | SKK6-K7/D2/12                     |  |  |                         |  |
| K-MT 8       | SKK8/D2/12                        |  |  |                         |  |

### 24 month interval

Material required: Service-kit  
 Service-kit contents: Re-set module, silencer, filter elements, wear part set for in-/outlet-valves  
 Options: Dew point sensor ZHM100/450

| K-MT         | Material required - PMC Order-No. |  |  | Options - PMC Order-No. |  |
|--------------|-----------------------------------|--|--|-------------------------|--|
| Product Code | Service-kit                       |  |  | Others                  |  |
| K-MT 1-4     | SKK1-K4/D2/24                     |  |  | ZHM100/450              |  |
| K-MT 6-7     | SKK6-K7/D2/24                     |  |  |                         |  |
| K-MT 8       | SKK8/D2/24                        |  |  |                         |  |

### 48 month interval

Material required: Service-kit, DESPACs see on opposite page  
 Service-kit contents: Re-set module, silencer, filter elements, perforated plates, perforated plate gaskets, solenoid coils 230V, wear part set for in-/outlet-valves, non-return valves, 2 demister pads,  
 Options: Dew point sensor ZHM100/450

| K-MT         | Material required - PMC Order-No. |  |  | Options - PMC Order-No. |  |
|--------------|-----------------------------------|--|--|-------------------------|--|
| Product Code | Service-kit                       |  |  | Others                  |  |
| K-MT 1-4     | SKK1-K4/D2/48                     |  |  | ZHM/100/450             |  |
| K-MT 6-7     | SKK6-K7/D2/48                     |  |  |                         |  |
| K-MT 8       | SKK8/D2/48                        |  |  |                         |  |



ENGINEERING YOUR SUCCESS.

# K-MT 1-8 Series

GENERATION 2

From 07/2011 to 12/2018



## DESPACs

### 48 month interval

Content DESPACs: Molecular sieve in 1 kg, 4 kg or 15 kg packs

| PMC Order-No. | K-MT 1 | K-MT 2 | K-MT 3 | K-MT 4 | K-MT 6 | K-MT 7 | K-MT 8 |
|---------------|--------|--------|--------|--------|--------|--------|--------|
| DESPAC1MS     | 1      |        | 1      |        | 1      |        |        |
| DESPAC4MS     |        | 1      | 1      | 2      | 3      | 4      | 1      |
| DESPAC15MS    |        |        |        |        |        |        | 1      |

## Replacement filter elements for pre- and after filters (filter elements are included in the service-kit)

| K-MT         | PMC Order-No.       |                             | K-MT         | PMC Order-No.       |                             |
|--------------|---------------------|-----------------------------|--------------|---------------------|-----------------------------|
| Product code | Filter housing size | Element grade VL, ZL, XL, A | Product code | Filter housing size | Element grade VL, ZL, XL, A |
| K-MT 1       | GL2                 | CP1008_                     | K-MT 6       | GL5                 | CP2010_                     |
| K-MT 2       | GL2                 | CP1008_                     | K-MT 7       | GL5                 | CP2010_                     |
| K-MT 3       | GL2                 | CP1008_                     | K-MT 8       | GL7                 | CP2020_                     |
| K-MT 4       | GL2                 | CP1008_                     |              |                     |                             |

The code spacing\_ should contain the filter-element grade required. Example: Filter GL2XL containing filter-element CP1008XL.

## Loose accessories

| Suitable for | PMC Order-No. | Use                     | Suitable for | PMC Order-No.   | Use                   |
|--------------|---------------|-------------------------|--------------|-----------------|-----------------------|
| K-MT 1 - 8   | VASRGR/K1-K8  | Balance-line            | K-MT 1 - 4   | VASVPB/K1-K4/08 | Starting device G1/4i |
| K-MT 1 - 95  | VASDP/K1-K95  | Dew point measurement   | K-MT 6 - 7   | VASVPB/K6-K7/15 | Starting device G1/2i |
| K-MT 1 - 95  | VASMBS420     | Signal Splitter 4-20 mA | K-MT 8       | VASVPB/K8/20    | Starting device G3/4i |
| K-MT 1 - 95  | VASNOZ/K1-K95 | Nozzle-kit              | K-MT 1 - 4   | VASF3/K1-K4     | Fine filter silencer  |
| K-MT 1 - 8   | VASDD08/15    | Silencer                | K-MT 6 - 8   | VASF5/K6-K8     | Fine filter silencer  |



ENGINEERING YOUR SUCCESS.

# K-MT 1-8 Series



## GENERATION 1

**From 05/2003 to 06/2011**

For the maintenance of this product range, 12/36, 24 and 48 month service-kits are required, together with other components referenced below. Furthermore a 48 month maintenance interval requires an exchange of desiccant (see DESPACs).

### 12 and 36 month interval

Material required: Service-kit, filter elements, silencer  
 Service-kit contents: Re-set module  
 Options: Dew point sensor ZHM 100/450

| K-MT         | Material required - PMC Order-No. |                                                  |             | Options - PMC Order-No. |  |
|--------------|-----------------------------------|--------------------------------------------------|-------------|-------------------------|--|
| Product Code | Service-kit                       | Filter-element                                   | Silencer    | Others                  |  |
| K-MT 1 - 8   | K-MT12A                           | See replacement filter elements on opposite page | VASSDD08/15 | ZHM100/450              |  |

### 24 month interval

Material required: Service-kit, filter elements, silencer,  
 Service-kit contents: Re-set module, wear part set for in-/outlet-valves  
 Options: Dew point sensor ZHM100/450

| K-MT         | Material required - PMC Order-No. |                                                  |             | Options - PMC Order-No. |  |
|--------------|-----------------------------------|--------------------------------------------------|-------------|-------------------------|--|
| Product Code | Service-kit                       | Filter-element                                   | Silencer    | Others                  |  |
| K-MT 1 - 8   | K-MT24A                           | See replacement filter elements on opposite page | VASSDD08/15 | ZHM100/450              |  |

### 48 month interval

Material required: Service-kit, silencer, filter elements, DESPACs see on opposite page  
 Service-kit contents: Re-set module, perforated plates, perforated plate gaskets, solenoid coils 230V, wear part set for in-/outlet-valves, non-return valves, 2 Demisters  
 Options: Dew point sensor ZHM100/450

| K-MT         | Material required -PMC Order-No. |                                                  |             | Options - PMC Order-No. |  |
|--------------|----------------------------------|--------------------------------------------------|-------------|-------------------------|--|
| Product Code | Service-kit                      | Filter-element                                   | Silencer    | Others                  |  |
| K-MT 1 - 4   | K-MT48A                          | See replacement filter elements on opposite page | VASSDD08/15 | ZHM100/450              |  |
| K-MT 6 - 8   | K-MT48B                          |                                                  |             |                         |  |



ENGINEERING YOUR SUCCESS.

# K-MT 1-8 Series

GENERATION 1

From 05/2003 to 06/2011



## DESPACs

48 month interval

Content DESPACs: Molecular sieve in 1 kg, 4 kg or 15 kg packs

| PMC Order-No. | K-MT 1 | K-MT 2 | K-MT 3 | K-MT 4 | K-MT 6 | K-MT 7 | K-MT 8 |
|---------------|--------|--------|--------|--------|--------|--------|--------|
| DESPAC1MS     | 1      |        | 1      |        | 1      |        |        |
| DESPAC4MS     |        | 1      | 1      | 2      | 3      | 4      | 1      |
| DESPAC15MS    |        |        |        |        |        |        | 1      |

## Replacement filter elements for pre- and after filters

| K-MT         | PMC Order-No.       |                            | K-MT         | PMC Order-No.       |                            |
|--------------|---------------------|----------------------------|--------------|---------------------|----------------------------|
| Product code | Filter housing size | Element grade V, ZP, XP, A | Product code | Filter housing size | Element grade V, ZP, XP, A |
| K-MT 1       | G2                  | 1030_                      | K-MT 6       | G5                  | 1070_                      |
| K-MT 2       | G2                  | 1030_                      | K-MT 7       | G5                  | 1070_                      |
| K-MT 3       | G2                  | 1030_                      | K-MT 8       | G7                  | 1140_                      |
| K-MT 4       | G2                  | 1030_                      |              |                     |                            |

The code spacing\_ should contain the filter-element grade required. Example: Filter G2XP containing filter element 1030XP.

## Loose accessories

| Suitable for | PMC Order-No. | Use                     | Suitable for | PMC Order-No.   | Use                   |
|--------------|---------------|-------------------------|--------------|-----------------|-----------------------|
| K-MT 1 - 8   | VASRGR/K1-K8  | Balance-line            | K-MT 1 - 4   | VASVPB/K1-K4/08 | Starting device G1/4i |
| K-MT 1 - 95  | VASPDP/K1-K95 | Dew point measurement   | K-MT 6 - 7   | VASVPB/K6-K7/10 | Starting device G3/8i |
| K-MT 1 - 95  | VASMBS420     | Signal Splitter 4-20 mA | K-MT 8       | VASVPB/K6-K7/15 | Starting device G1/2i |
| K-MT 1 - 95  | VASNOZ/K1-K95 | Nozzle-kit              | K-MT 1 - 4   | VASFS3/K1-K4    | Fine filter silencer  |
| K-MT 1 - 8   | VASSDD08/15   | Silencer                | K-MT 6 - 8   | VASFS5/K6-K8    | Fine filter silencer  |



ENGINEERING YOUR SUCCESS.



# KM 5-115 Series



## GENERATION 0

Up to mid. 2003

Generation 0 dryers should be updated once to the latest technical specification using the following retrofit kits.

For the maintenance of the updated series, 12/36, 24 and 48 month service-kits are required, together with other components referenced below. Furthermore a 48 month maintenance interval requires an exchange of desiccant (see DESPACs).

## Update-kit

| Suitable for | PMC Order-No. | Replaceable contents                                       |
|--------------|---------------|------------------------------------------------------------|
| KM 5 - 35    | UKKM5-35      | Solenoid valve plate incl. seals + cable + socket-coupling |
| KM 5 - 35    | UKKM5-35/RV   | Non-return valve plate incl. seals - without nozzle        |
| KM 75 - 115  | UKKM75-115    | Solenoid valve plate incl. seals + cable + socket-coupling |
| KM 75 - 115  | UKKM75-115/RV | Non-return valve plate incl. seals - without nozzle        |

## Update-kit Multitronic

| Suitable for | PMC Order-No. | Replaceable contents                             |
|--------------|---------------|--------------------------------------------------|
| KM 5 - 115   | UKMT-230-ZHM  | Multitronic + cable + ZHM100 + measuring chamber |
| KM 5 - 115   | UKMT-230      | Multitronic + cable                              |

After the conversion of the current control Multitronic every 12 month is the following service kit required

|            |         |             |
|------------|---------|-------------|
| KM 5 - 115 | K-MT12A | Reset-modul |
|------------|---------|-------------|

## 12 and 36 month interval

Material required: Filter elements, silencers

Service-kit contents:

Options: Dew point sensor\* (\*Dew point sensor can vary in type. Please provide the construction no. of the dryer when making an enquiry.)

| KM           | Material required - PMC Order-No. |                                                  |             | Options - PMC Order-No. |  |
|--------------|-----------------------------------|--------------------------------------------------|-------------|-------------------------|--|
| Product Code | Service-kit                       | Filter-element                                   | Silencer    | Others                  |  |
| KM 5 - 115   | **                                | See replacement filter elements on opposite page | VASSDD08/15 | Dew point sensor*       |  |

## 24 month interval

| KM           | Material required - PMC Order-No. |                                                  |             | Options -PMC Order-No. |  |
|--------------|-----------------------------------|--------------------------------------------------|-------------|------------------------|--|
| Product Code | Service-kit                       | Filter-element                                   | Silencer    | Others                 |  |
| KM 5 - 115   | KM24A-UG                          | See replacement filter elements on opposite page | VASSDD08/15 | Dew point sensor*      |  |



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# KM 5-115 Series

**GENERATION 0**  
Up to mid. 2003



## 48 month interval

Material required: Service-kit, filter elements, silencer, DESPACs see below  
 Service-kit contents: Perforated plate gaskets, solenoid coils 230V, wear part set for in-/outlet-valves, non-return valves  
 Options: Dew point sensor\* (\*Dew point sensor can vary in type. Please provide the construction no. of the dryer when making an enquiry.)

| KM           | Material required - PMC Order-No. |                                                  |             | Options           |  |
|--------------|-----------------------------------|--------------------------------------------------|-------------|-------------------|--|
| Product Code | Service-kit                       | Filter-element                                   | Silencer    | Others            |  |
| KM 5 - 35    | KM48A-UG                          | See replacement filter elements on opposite page | VASSDD08/15 | Dew point sensor* |  |
| KM 75 - 115  | KM48B-UG                          |                                                  |             |                   |  |

## DESPACs

### 48 month interval

Content DESPACs: Molecular sieve in 1 kg, 4 kg or 15 kg packs

| PMC Order-No. | KM 5 | KM10 | KM 25 | KM 35 | KM 75 | KM 95 | KM 115 |
|---------------|------|------|-------|-------|-------|-------|--------|
| DESPAC1MS     | 1    |      | 1     |       |       | 2     |        |
| DESPAC4MS     |      | 1    | 1     | 2     |       |       | 2      |
| DESPAC15MS    |      |      |       |       | 1     | 1     | 1      |

## Replacement filter elements for pre- and after filters

| KM           | PMC Order-No.       |                            | KM           | PMC Order-No.       |                            |
|--------------|---------------------|----------------------------|--------------|---------------------|----------------------------|
| Product code | Filter housing size | Element grade V, ZP, XP, A | Product code | Filter housing size | Element grade V, ZP, XP, A |
| KM 5         | G2                  | 1030_                      | KM 75        | G5                  | 1070_                      |
| KM 10        | G2                  | 1030_                      | KM 95        | G5                  | 1070_                      |
| KM 25        | G2                  | 1030_                      | KM 115       | G7                  | 1140_                      |
| KM 35        | G2                  | 1030_                      |              |                     |                            |

The code spacing\_ should contain the filter-element grade required. Example: Filter G2XP containing filter element 1030XP.



ENGINEERING YOUR SUCCESS.

# Heatless Adsorption Dryers

K-MT 10-95, KE-MT, KEN-MT, KEN Series



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# K-MT 10-95 Series

## GENERATION 3 (OIL-X filter)

From 01/2019 to the present day

For the maintenance of this product range, 12/36, 24 and 48 month service-kits are required, together with other components referenced below. Furthermore a 48 month maintenance interval requires an exchange of desiccant (see DESPACs).

### 12 and 36 month interval

Material required: Service-kit  
 Service-kit contents: Re-set module, silencer, filter elements, pilot valves  
 Options: Dew point sensor ZHM100/450

| K-MT          | Material required - PMC Order-No. |               |  | Options - PMC Order-No. |        |
|---------------|-----------------------------------|---------------|--|-------------------------|--------|
| Model         | Service-kit                       | Mains voltage |  | Others                  |        |
| K-MT 10 to 20 | SKK10-K20/D3/12                   | 115V, 230V    |  | ZHM100/450              | P02/ZR |
| K-MT 25       | SKK25/D3/12                       | 115V, 230V    |  |                         |        |
| K-MT 35       | SKK35/D3/12                       | 115V, 230V    |  |                         |        |
| K-MT 45       | SKK45/D3/12                       | 115V, 230V    |  |                         |        |
| K-MT 60 - 75  | SKK60-K75/D3/12                   | 115V, 230V    |  |                         |        |
| K-MT 95       | SKK95/D3/12                       | 115V, 230V    |  |                         |        |

### 24 and 48 month interval

Material required: Service-kit,  
 48 month interval: Additional DESMIX (see on opposite page)  
 Service-kit contents: Re-set module, silencer, filter elements, pilot valves, wear part sets for in-/outlet valves and non-return valves, o-ring sets (in-/external) for solenoid valve block, solenoid coils 230  
 Options: Dew point sensor ZHM100/450

| K-MT          | Material required - PMC Order-No. |               |  | Options - PMC Order-No. |        |
|---------------|-----------------------------------|---------------|--|-------------------------|--------|
| Model         | Service-kit                       | Mains voltage |  | Others                  |        |
| K-MT 10 to 20 | SKK10-K20/D3/24/115               | 115V          |  |                         |        |
|               | SKK10-K20/D3/24                   | 230V          |  |                         |        |
| K-MT 25       | SKK25/D3/24/115                   | 115V          |  |                         |        |
|               | SKK25/D3/24                       | 230V          |  |                         |        |
| K-MT 35       | SKK35/D3/24/115                   | 115V          |  | ZHM100/450              | P02/ZR |
|               | SKK35/D3/24                       | 230V          |  |                         |        |
| K-MT 45       | SKK45/D3/24/115                   | 115V          |  |                         |        |
|               | SKK45/D3/24                       | 230V          |  |                         |        |
| K-MT 60 - 75  | SKK60-K75/D3/24/115               | 115V          |  |                         |        |
|               | SKK60-K75/D3/24                   | 230V          |  |                         |        |
| K-MT 95       | SKK95/D3/24/115                   | 115V          |  |                         |        |
|               | SKK95/D3/24                       | 230V          |  |                         |        |

Options : coils only for 50Hz (398H254061)



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# K-MT 10-95 Series

GENERATION 3(OIL-X filter)  
From 01/2019 to the present day



## DESMIX

48 month interval

DESMIX content: Molecular sieve in 1 kg, 4 kg, 15 kg or 140 kg packs

| Model   | PMC Order-No. | Model   | PMC Order-No. |
|---------|---------------|---------|---------------|
| K-MT 10 | K-MT10DESMIX  | K-MT 45 | K-MT60DESMIX  |
| K-MT 15 | K-MT15DESMIX  | K-MT 60 | K-MT60DESMIX  |
| K-MT 20 | K-MT20DESMIX  | K-MT 75 | K-MT75DESMIX  |
| K-MT 25 | K-MT25DESMIX  | K-MT 95 | K-MT95DESMIX  |
| K-MT 35 | K-MT35DESMIX  |         |               |

Replacement filter elements for pre- and after filters (filter elements are included in the service-kit)

| K-MT    | PMC Order-No.   |               |                   |               |
|---------|-----------------|---------------|-------------------|---------------|
| Model   | Upstream filter | Element grade | Downstream filter | Element grade |
| K-MT 10 | AAPX025EGFIX    | P025AA        | AOPX025EGMIX      | P025AO        |
| K-MT 15 | AAPX025EGFIX    | P025AA        | AOPX025EGMIX      | P025AO        |
| K-MT 20 | AAPX025EGFIX    | P025AA        | AOPX025EGMIX      | P025AO        |
| K-MT 25 | AAPX030GGFIX    | P030AA        | AOPX030GGMIX      | P030AO        |
| K-MT 35 | AAPX030GGFIX    | P030AA        | AOPX030GGMIX      | P030AO        |
| K-MT 45 | AAPX035GGFX     | P035AA        | AOPX035GGMX       | P035AO        |
| K-MT 60 | AAPX040HGFX     | P040AA        | AOPX040HGMX       | P040AO        |
| K-MT 75 | AAPX040HGFX     | P040AA        | AOPX040HGMX       | P040AO        |
| K-MT 95 | AAPX045IGFX     | P045AA        | AOPX045IGMX       | P045AO        |

The underscore\_ should be replaced by the element grade required. Example Filter AAP035GGFX containing filter-element P035AA.

## Loose accessories

| Suitable for | PMC Order No. | Use                       | Suitable for | PMC Order No.     | Use                     |
|--------------|---------------|---------------------------|--------------|-------------------|-------------------------|
| K-MT 10 - 95 | VASDPD/K1-K95 | Dew point measurement     | K-MT 10 - 20 | VASVPB/K10-K20/25 | Start-up device G1i     |
| K-MT 10 - 95 | VASMB420      | Signal duplicator 4-20 mA | K-MT 25 - 45 | VASVPB/K25-K45/40 | Start-up device G1 1/2i |
| K-MT 10 - 15 | VASF5/K10-K15 | Fine filter muffler       | K-MT 60 - 75 | VASVPB/K60-K75/50 | Start-up device G2i     |
| K-MT 20 - 25 | VASF5/K20-K25 | Fine filter muffler       | K-MT 95      | VASVPB/K95/65     | Start-up device G2 1/2i |
| K-MT 35 - 60 | VASF5/K35-K60 | Fine filter muffler       | K-MT 10 - 95 | VASRGR/K10-K95    | Regeneration gas return |
| K-MT 75 - 95 | VASF5/K75-K95 | Fine filter muffler       | K-MT 10 - 95 | VASNOZ/K1-K95     | Nozzle kit              |



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# K-MT 10-95 Series

## GENERATION 2

From 07/2011 to 12/2018



For the maintenance of this product range, 12/36, 24 and 48 month service-kits are required, together with other components referenced below. Furthermore a 48 month maintenance interval requires an exchange of desiccant (see DESPACs).

### 12 and 36 month interval

Material required: Service-kit  
 Service-kit contents: Re-set module, silencer, filter elements, pilot valves  
 Options: Dew point sensor ZHM100/450

| K-MT         | Material required - PMC Order-No. |  |  | Options - PMC Order-No. |  |
|--------------|-----------------------------------|--|--|-------------------------|--|
| Model        | Service-kit                       |  |  | Others                  |  |
| K-MT 10 - 20 | SKK10-K20/D2/12                   |  |  | ZHM100/450              |  |
| K-MT 25      | SKK25/D2/12                       |  |  |                         |  |
| K-MT 35      | SKK35/D2/12                       |  |  |                         |  |
| K-MT 45      | SKK45/D2/12                       |  |  |                         |  |
| K-MT 60 - 75 | SKK60-K75/D2/12                   |  |  |                         |  |
| K-MT 95      | SKK95/D2/12                       |  |  |                         |  |

### 24 and 48 month interval

Material required: Service-kit,  
 48 month interval: Additional DESMIX (see on opposite page)  
 Service-kit contents: Re-set module, silencer, filter elements, pilot valves, wear part sets for in-/outlet valves and non-return valves, o-ring sets (in-/external) for solenoid valve block, solenoid coils 230  
 Options: Dew point sensor ZHM100/450

| K-MT         | Material required - PMC Order-No. |  |  | Options - PMC Order-No. |  |
|--------------|-----------------------------------|--|--|-------------------------|--|
| Model        | Service-kit                       |  |  | Others                  |  |
| K-MT 10 - 20 | SKK10-K20/D2/24                   |  |  | ZHM100/450              |  |
| K-MT 25      | SKK25/D2/24                       |  |  |                         |  |
| K-MT 35      | SKK35/D2/24                       |  |  |                         |  |
| K-MT 45      | SKK45/D2/24                       |  |  |                         |  |
| K-MT 60 - 75 | SKK60-K75/D2/24                   |  |  |                         |  |
| K-MT 95      | SKK95/D2/24                       |  |  |                         |  |



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# K-MT 10-95 Series

GENERATION 2

From 07/2011 to 12/2018



## DESMIX

48 month interval

DESMIX content: Molecular sieve in 1 kg, 4 kg, 15 kg or 140 kg packs

| Model   | PMC Order-No. | Model        | PMC Order-No. |
|---------|---------------|--------------|---------------|
| K-MT 10 | K-MT10DESMIX  | K-MT 35      | K-MT35DESMIX  |
| K-MT 15 | K-MT15DESMIX  | K-MT 45 - 60 | K-MT60DESMIX  |
| K-MT 20 | K-MT20DESMIX  | K-MT 75      | K-MT75DESMIX  |
| K-MT 25 | K-MT25DESMIX  | K-MT 95      | K-MT95DESMIX  |

Replacement filter elements for pre- and after filters (filter elements are included in the service-kit)

| K-MT    | PMC Order-No. |                             | K-MT    | PMC Order-No. |                             |
|---------|---------------|-----------------------------|---------|---------------|-----------------------------|
| Model   | Filter size   | Element grade VL, ZL, XL, A | Model   | Filter size   | Element grade VL, ZL, XL, A |
| K-MT 10 | GL9           | CP3025_                     | K-MT 45 | GL12          | CP4040_                     |
| K-MT 15 | GL9           | CP3025_                     | K-MT 60 | GL13          | CP4050_                     |
| K-MT 20 | GL9           | CP3025_                     | K-MT 75 | GL13          | CP4050_                     |
| K-MT 25 | GL11          | CP3040_                     | K-MT 95 | GL14          | CP4065_                     |
| K-MT 35 | GL11          | CP3040_                     |         |               |                             |

The underscore\_ should be replaced by the element grade required. Example Filter GL9XL containing filter-element CP3025XL.

## Loose accessories

| Suitable for | PMC Order No.  | Use                       | Suitable for | PMC Order No.     | Use                     |
|--------------|----------------|---------------------------|--------------|-------------------|-------------------------|
| K-MT 10 - 95 | VASPD/P/K1-K95 | Dew point measurement     | K-MT 10 - 20 | VASVPB/K10-K20/25 | Start-up device G1i     |
| K-MT 10 - 95 | VASMB/S420     | Signal duplicator 4-20 mA | K-MT 25 - 45 | VASVPB/K25-K45/40 | Start-up device G1 1/2i |
| K-MT 10 - 15 | VASFS5/K10-K15 | Fine filter muffler       | K-MT 60 - 75 | VASVPB/K60-K75/50 | Start-up device G2i     |
| K-MT 20 - 25 | VASFS5/K20-K25 | Fine filter muffler       | K-MT 95      | VASVPB/K95/65     | Start-up device G2 1/2i |
| K-MT 35 - 60 | VASFS5/K35-K60 | Fine filter muffler       | K-MT 10 - 95 | VASRGR/K10-K95    | Regeneration gas return |
| K-MT 75 - 95 | VASFS5/K75-K95 | Fine filter muffler       | K-MT 10 - 95 | VASNOZ/K1-K95     | Nozzle kit              |



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# KE-MT 10-95 Series

## GENERATION 1

From 04/2007 to 07/2011

For the maintenance of this product range, 12/36, 24 and 48 month service-kits are required, together with other components referenced below. Furthermore a 48 month maintenance interval requires an exchange of desiccant (see DESPACs).

### 12 and 36 month interval

Material required: Service-kit, filter elements, silencer  
 Service-kit contents: Re-set module, pilot valves  
 Options: Dew point sensor ZHM 100/450

| KE-MT         | Material required - PMC Order-No. |                                                  |           | Options - PMC Order-No. |  |
|---------------|-----------------------------------|--------------------------------------------------|-----------|-------------------------|--|
| Model         | Service-kit                       | Filter-element                                   | Silencer  | Others                  |  |
| KE-MT 10 - 25 | KE-MT12A                          | See replacement filter elements on opposite page | SDD-25/AL | ZHM100/450              |  |
| KE-MT 35 - 60 |                                   |                                                  | SDD-40/AL |                         |  |
| KE-MT 75 - 95 |                                   |                                                  | SDD-50/AL |                         |  |

### 24 and 48 month interval

Material required: Service-kit, silencer, filter elements  
 48 month interval: Additional DESMIX (see on opposite page)  
 Service-kit contents: Re-set module, wear part sets for in-/outlet valves and non-return valves, o-ring sets (in-/external) for solenoid valve block  
 Options: Dew point sensor ZHM100/450

| KE-MT         | Material required - PMC Order-No. |                                                  |           | Options - PMC Order-No. |  |
|---------------|-----------------------------------|--------------------------------------------------|-----------|-------------------------|--|
| Model         | Service-kit                       | Filter-element                                   | Silencer  | Others                  |  |
| KE-MT 10 - 25 | KE-MT24A                          | See replacement filter elements on opposite page | SDD-25/AL | ZHM100/450              |  |
| KE-MT 35 - 60 | KE-MT24B                          |                                                  | SDD-40/AL |                         |  |
| KE-MT 75 - 95 |                                   |                                                  | SDD-50/AL |                         |  |



ENGINEERING YOUR SUCCESS.

# KE-MT 10-95 Series

GENERATION 1

From 04/2007 to 07/2011



## DESMIX

48 month interval

DESMIX content: Molecular sieve in 1 kg, 4 kg, 15 kg or 140 kg packs and dust sieves

| Model    | PMC Order-No. | Model         | PMC Order-No. |
|----------|---------------|---------------|---------------|
| KE-MT 10 | KE-MT10DESMIX | KE-MT 35      | KE-MT35DESMIX |
| KE-MT 15 | KE-MT15DESMIX | KE-MT 45 - 60 | KE-MT60DESMIX |
| KE-MT 20 | KE-MT20DESMIX | KE-MT 75      | KE-MT75DESMIX |
| KE-MT 25 | KE-MT25DESMIX | KE-MT 95      | KE-MT95DESMIX |

## Replacement filter elements for pre- and after filters

| KE-MT    | PMC Order-No. |                            | KE-MT    | PMC Order-No. |                            |
|----------|---------------|----------------------------|----------|---------------|----------------------------|
| Model    | Filter size   | Element grade V, ZP, XP, A | Model    | Filter size   | Element grade V, ZP, XP, A |
| KE-MT 10 | G9            | 2010_                      | KE-MT 40 | G12           | 2030_                      |
| KE-MT 15 | G9            | 2010_                      | KE-MT 45 | G12           | 2030_                      |
| KE-MT 20 | G11           | 2020_                      | KE-MT 60 | G13           | 2050_                      |
| KE-MT 25 | G11           | 2020_                      | KE-MT 75 | G14           | 3050_                      |
| KE-MT 35 | G12           | 2030_                      | KE-MT 95 | G14           | 3050_                      |

The underscore\_ should be replaced by the element grade required. Example Filter G9XP containing filter-element 2010XP.

## Loose accessories

| Suitable for | PMC Order No.  | Use                       | Suitable for | PMC Order No.     | Use                     |
|--------------|----------------|---------------------------|--------------|-------------------|-------------------------|
| KE-MT10 - 95 | VASDPDP/K1-K95 | Dew point measurement     | KE-MT10 - 25 | VASVPB/K10-K20/25 | Start-up device G1i     |
| KE-MT10 - 95 | VASMBBS420     | Signal duplicator 4-20 mA | KE-MT35 - 60 | VASVPB/K25-K40/40 | Start-up device G1 1/2i |
| KE-MT10 - 15 | VASFS5/K10-K15 | Fine filter muffler       | KE-MT75 - 95 | VASVPB/K60-K75/50 | Start-up device G2i     |
| KE-MT20 - 25 | VASFS5/K20-K25 | Fine filter muffler       | KE-MT 0 - 95 | VASRGR/K10-K95    | Regeneration gas return |
| KE-MT35 - 60 | VASFS5/K35-K60 | Fine filter muffler       | KE-MT10 - 95 | VASNOZ/K1-K95     | Nozzle kit              |
| KE-MT75 - 95 | VASFS5/K75-K95 | Fine filter muffler       |              |                   |                         |



ENGINEERING YOUR SUCCESS.

# KEN-MT 200-1400 Series

## GENERATION 0

From 5/2003 to 04/2007



For the maintenance of this product range, 12/36, 24 and 48 month service-kits are required, together with other components referenced below. Furthermore a 48 month maintenance interval requires an exchange of desiccant (see DESMIX).

### 12 and 36 month interval

Material required: Service-kit, filter elements, silencer  
 Service-kit contents: Re-set module, pilot valves  
 Options: Dew point sensor ZHM 100/450

| KEN-MT            | Material required - PMC Order-No. |                                                  |           | Options - PMC Order-No. |  |
|-------------------|-----------------------------------|--------------------------------------------------|-----------|-------------------------|--|
| Model             | Service-kit                       | Filter-element                                   | Silencer  | Others                  |  |
| KEN-MT 200 - 500  | KEN-MT12A                         | See replacement filter elements on opposite page | SDD-25/AL | ZHM100/450              |  |
| KEN-MT 600 - 1150 |                                   |                                                  | SDD-40/AL |                         |  |
| KEN-MT 1400       |                                   |                                                  | SDD-50/AL |                         |  |

### 24 and 48 month interval

Material required: Service-kit, silencer, filter elements  
 48 month intervall: Additional DESMIX (see on opposite page)  
 Service-kit contents: Re-set module, wear part sets for in-/outlet valves and non-return valves, o-ring sets (in-/external) for solenoid valve block, pilot valves, solenoid coils 230V  
 Options: Dew point sensor ZHM100/450

| KEN-MT            | Material required - PMC Order-No. |                                                  |           | Options - PMC Order-No. |  |
|-------------------|-----------------------------------|--------------------------------------------------|-----------|-------------------------|--|
| Model             | Service-kit                       | Filter-element                                   | Silencer  | Others                  |  |
| KEN-MT 200 - 500  | KEN-MT24A                         | See replacement filter elements on opposite page | SDD-25/AL | ZHM100/450              |  |
| KEN-MT 600 - 1150 | KEN-MT24B                         |                                                  | SDD-40/AL |                         |  |
| KEN-MT 1400       |                                   |                                                  | SDD-50/AL |                         |  |



ENGINEERING YOUR SUCCESS.

# KEN-MT 200-1400 Series

GENERATION 0

From 5/2003 to 04/2007



## DESMIX

48 month interval

DESMIX content: Molecular sieve in 1 kg, 4 kg, 15 kg or 140 kg packs and dust sieves

| Model      | PMC Order-No. | Model       | PMC Order-No. |
|------------|---------------|-------------|---------------|
| KEN-MT 200 | KEN200DESMIX  | KEN-MT 600  | KEN600DESMIX  |
| KEN-MT 300 | KEN300DESMIX  | KEN-MT 800  | KEN800DESMIX  |
| KEN-MT 400 | KEN400DESMIX  | KEN-MT 1150 | KEN1150DESMIX |
| KEN-MT 500 | KEN500DESMIX  | KEN-MT 1400 | KEN1400DESMIX |

## Replacement filter elements for pre- and after filters

| KEN-MT     | PMC Order-No. |                            | KEN-MT      | PMC Order-No. |                            |
|------------|---------------|----------------------------|-------------|---------------|----------------------------|
| Model      | Filter size   | Element grade V, ZP, XP, A | Model       | Filter size   | Element grade V, ZP, XP, A |
| KEN-MT 200 | G9            | 2010_                      | KEN-MT 600  | G12           | 2030_                      |
| KEN-MT 300 | G9            | 2010_                      | KEN-MT 800  | G12           | 2030_                      |
| KEN-MT 400 | G11           | 2020_                      | KEN-MT 1150 | G13           | 2050_                      |
| KEN-MT 500 | G11           | 2020_                      | KEN-MT 1400 | G14           | 3050_                      |

The underscore\_ should be replaced by the element grade required. Example Filter G9XP containing filter-element 2010XP.

## Loose accessories

| Suitable for      | PMC Order No.  | Use                       | Suitable for      | PMC Order No.     | Use                     |
|-------------------|----------------|---------------------------|-------------------|-------------------|-------------------------|
| KEN-MT 200 - 400  | VASPD/K1-K95   | Dew point measurement     | KEN-MT 200 - 500  | VASVPB/K10-K20/25 | Start-up device G1i     |
| KEN-MT 200 - 1400 | VASMBS420      | Signal duplicator 4-20 mA | KEN-MT 600 - 1150 | VASVPB/K25-K40/40 | Start-up device G1 1/2i |
| KEN-MT 200 - 300  | VASFS5/K10-K15 | Fine filter muffler       | KEN-MT 1400       | VASVPB/K60-K75/50 | Start-up device G2i     |
| KEN-MT 400 - 500  | VASFS5/K20-K25 | Fine filter muffler       | KEN-MT 200 - 1400 | VASRGR/K10-K95    | Reg.-gas return         |
| KEN-MT 600 - 1150 | VASFS5/K35-K60 | Fine filter muffler       | KEN-MT 200 - 1400 | VASNOZ/K1-K95     | Nozzle kit              |
| KEN-MT 1400       | VASFS5/K75-K95 | Fine filter muffler       |                   |                   |                         |



ENGINEERING YOUR SUCCESS.

# KEN-MT 200-1400 Series

## GENERATION -1

From 9/2001 to 5/2003



For the maintenance of this product range, 12/36, 24 and 48 month service-kits are required, together with other components referenced below. Furthermore a 48 month maintenance interval requires an exchange of desiccant (see DESMIX).

### Update-Kit Multitronic

| Suitable for                                                                                         | PMC Order-No. | Replaceable contents                             |
|------------------------------------------------------------------------------------------------------|---------------|--------------------------------------------------|
| KEN 200 to KEN 1400                                                                                  | UKMT-230-ZHM  | Multitronic + ZHM100 + Cable + Measuring chamber |
| KEN 200 to KEN 1400                                                                                  | UKMT-230      | Multitronic + Cable                              |
| After upgrading to the current control Multitronic the service-kits of the Generation 0 are required |               |                                                  |

### 12 and 36 month interval

Material required: Service-kit, filter elements, silencer  
 Service-kit contents: Pilot valves, indicator beads orange  
 Options: Dew point sensor ZHM 100/450

| KEN            | Material required - PMC Order-No. |                                                  |           | Options - PMC Order-No. |  |
|----------------|-----------------------------------|--------------------------------------------------|-----------|-------------------------|--|
| Model          | Service-kit                       | Filter-element                                   | Silencer  | Others                  |  |
| KEN 200 - 500  | KEN12A                            | see replacement filter elements on opposite page | SDD-25/AL | ZHM100/450              |  |
| KEN 600 - 1150 |                                   |                                                  | SDD-40/AL |                         |  |
| KEN 1400       |                                   |                                                  | SDD-50/AL |                         |  |

### 24 and 48 month interval

Material required: Service-kit, silencer, filter elements  
 48 month intervall: Additional DESMIX (see on opposite page)  
 Service-kit contents: Wear part sets for in-/outlet valves and non-return valves, o-ring set (internal) for solenoid valve block, pilot valves, solenoid coils 230V, indicator beads orange  
 Options: Dew point sensor ZHM100/450

| KEN            | Material required - PMC Order-No. |                                                  |           | Options - PMC Order-No. |  |
|----------------|-----------------------------------|--------------------------------------------------|-----------|-------------------------|--|
| Model          | Service-kit                       | Filter-element                                   | Silencer  | Others                  |  |
| KEN 200 - 500  | KEN24A                            | see replacement filter elements on opposite page | SDD-25/AL | ZHM100/450              |  |
| KEN 600 - 1150 | KEN24B                            |                                                  | SDD-40/AL |                         |  |
| KEN 1400       |                                   |                                                  | SDD-50/AL |                         |  |



ENGINEERING YOUR SUCCESS.

# KEN-MT 200-1400 Series

GENERATION -1

From 9/2001 to 5/2003



## DESMIX

### 48 month interval

DESMIX content: Molecular sieve in 1 kg, 4 kg, 15 kg or 140 kg packs and dust sieves

| Model   | PMC Order-No. | Model    | PMC Order-No. |
|---------|---------------|----------|---------------|
| KEN 200 | KEN200DESMIX  | KEN 600  | KEN600DESMIX  |
| KEN 300 | KEN300DESMIX  | KEN 800  | KEN800DESMIX  |
| KEN 400 | KEN400DESMIX  | KEN 1150 | KEN1150DESMIX |
| KEN 500 | KEN500DESMIX  | KEN 1400 | KEN1400DESMIX |

### Replacement filter elements for pre- and after filters

| KEN     | PMC Order-No. |                            | KEN      | PMC Order-No. |                            |
|---------|---------------|----------------------------|----------|---------------|----------------------------|
| Model   | Filter size   | Element grade V, ZP, XP, A | Model    | Filter size   | Element grade V, ZP, XP, A |
| KEN 200 | G9            | 2010_                      | KEN 600  | G12           | 2030_                      |
| KEN 300 | G9            | 2010_                      | KEN 800  | G12           | 2030_                      |
| KEN 400 | G11           | 2020_                      | KEN 1150 | G13           | 2050_                      |
| KEN 500 | G11           | 2020_                      | KEN 1400 | G14           | 3050_                      |

The underscore\_ should be replaced by the element grade required. Example Filter G9XP containing filter-element 2010XP.

### Loose accessories

| Suitable for    | PMC Order No. | Use                       | Suitable for   | PMC Order No.     | Use                     |
|-----------------|---------------|---------------------------|----------------|-------------------|-------------------------|
| KEN 200 - 400   | VASPD/K1-K95  | Dew point measurement     | KEN 200 - 500  | VASVPB/K10-K20/25 | Start-up device G1i     |
| KEN 200 - 1400  | VASMBS420     | Signal duplicator 4-20 mA | KEN 600 - 1150 | VASVPB/K25-K40/40 | Start-up device G1 1/2i |
| KEN 200 - 300   | VASF5/K10-K15 | Fine filter muffler       | KEN 1400       | VASVPB/K60-K75/50 | Start-up device G2i     |
| KEN 400 - 500   | VASF5/K20-K25 | Fine filter muffler       | KEN 200 - 1400 | VASRGR/K10-K95    | Regeneration gas return |
| KEN 600 - 1150  | VASF5/K35-K60 | Fine filter muffler       | KEN 200 - 1400 | VASNOZ/K1-K95     | Nozzle kit              |
| KEN 1150 - 1400 | VASF5/K75-K95 | Fine filter muffler       |                |                   |                         |



ENGINEERING YOUR SUCCESS.

# KE-MT 120-600 Series



## GENERATION 1 B

From 04/2007 to the present day

For the maintenance of this product range, 12/36, 24 and 48 month service-kits are required, together with other components referenced below. Furthermore a 48 month maintenance interval requires an exchange of desiccant (see DESMIX).

### 12 and 36 month interval

Material required: Service-kit, filter elements, silencer  
 Service-kit contents: Re-set module, pilot valves, control air filter-element  
 Options: Dew point sensor ZHM 100/450

| KEN-MT          | Material required - PMC Order-No. |                                                  |           | Options - PMC Order-No. |  |
|-----------------|-----------------------------------|--------------------------------------------------|-----------|-------------------------|--|
| Model           | Service-kit                       | Filter-element                                   | Silencer  | Others                  |  |
| KE-MT 120 - 600 | KE-MT12B                          | see replacement filter elements on opposite page | SDD-25/AL | ZHM100/450              |  |

### 24 month interval

Material required: Service-kit, filter elements, silencer  
 Service-kit contents: Re-set module, wear part sets for in-/outlet-valves, pilot valves, control air filter-element  
 Options: Dew point sensor ZHM 100/450

| KEN-MT          | Material required - PMC Order-No. |                                                  |             | Options - PMC Order-No. |  |
|-----------------|-----------------------------------|--------------------------------------------------|-------------|-------------------------|--|
| Model           | Service-kit                       | Filter-element                                   | Silencer    | Others                  |  |
| KE-MT 120       | KE-MT24F                          | see replacement filter elements on opposite page | 2xSDD-40/AL | ZHM100/450              |  |
| KE-MT 150 - 250 | KE-MT24C                          |                                                  | 2xSDD-50/AL |                         |  |
| KE-MT 300 - 500 | KE-MT24E                          |                                                  | 4xSDD-50/AL |                         |  |
| KE-MT 600       | KE-MT24E                          |                                                  | 4xSDD-80/AL |                         |  |

### 48 month interval

Material required: Service-kit, filter elements, silencer  
 Service-kit contents: Re-set module, wear part sets for in-/outlet-valves, pilot valves, control air filter-element  
 Options: Dew point sensor ZHM 100/450

| KEN-MT          | Material required - PMC Order-No. |                                                  |             | Options - PMC Order-No. |  |
|-----------------|-----------------------------------|--------------------------------------------------|-------------|-------------------------|--|
| Model           | Service-kit                       | Filter-element                                   | Silencer    | Others                  |  |
| KE-MT 120       | KE-MT48F                          | see replacement filter elements on opposite page | 2xSDD-40/AL | ZHM100/450              |  |
| KE-MT 150 - 250 | KE-MT48C                          |                                                  | 2xSDD-50/AL |                         |  |
| KE-MT 300 - 500 | KE-MT48D                          |                                                  | 4xSDD-50/AL |                         |  |
| KE-MT 600       | KE-MT48E                          |                                                  | 4xSDD-80/AL |                         |  |



ENGINEERING YOUR SUCCESS.

# KE-MT 120-600 Series

GENERATION 1 B

From 04/2007 to the present day



## DESMIX

48 month interval

DESMIX content: Molecular sieve in 1 kg, 4 kg, 15 kg or 140 kg packs and dust sieves and GASKIT

| Model     | PMC Order-No. | Model     | PMC Order-No.  |
|-----------|---------------|-----------|----------------|
| KE-MT 120 | KEN2000DESMIX | KE-MT 300 | KEN5000DESMIX  |
| KE-MT 150 | KEN2600DESMIX | KE-MT 380 | KEN6000DESMIX  |
| KE-MT 200 | KEN3100DESMIX | KE-MT 500 | KEN8000DESMIX  |
| KE-MT 250 | KEN3800DESMIX | KE-MT 600 | KEN10000DESMIX |

**GASKIT** (already included in the DESMIX packs)

GASKIT content: 12 flat gaskets acc. to nominal diameters

| Model           | DN | PMC Order-No. | Model           | DN  | PMC Order-No. |
|-----------------|----|---------------|-----------------|-----|---------------|
| KE-MT 120       | 50 | GASKIT50      | KE-MT 380 - 500 | 100 | GASKIT100     |
| KE-MT 150 - 200 | 65 | GASKIT65      | KE-MT 600       | 125 | GASKIT125     |
| KE-MT 250 - 300 | 80 | GASKIT80      |                 |     |               |

Replacement filter elements for pre- and after filters (until 03/2013)

| KEN       | PMC Order-No. |                            | KEN       | PMC Order-No. |                            |
|-----------|---------------|----------------------------|-----------|---------------|----------------------------|
| Model     | Filter size   | Element grade V, ZP, XP, A | Model     | Filter size   | Element grade V, ZP, XP, A |
| KE-MT 120 | G17           | 3075_                      | KE-MT 300 | F20           | 2x 3075_                   |
| KE-MT 150 | G17           | 3075_                      | KE-MT 380 | F20           | 2x 3075_                   |
| KE-MT 200 | G18           | 5060_                      | KE-MT 500 | F30           | 3x 3075_                   |
| KE-MT 250 | G19           | 5075_                      | KE-MT 600 | F40           | 4x 3075_                   |

The underscore\_ should be replaced by the element grade required. Example: Filter G17XP containing filter-element 3075XP resp. F20 with filter elements 2x 3075XP.

Pre- and after filter are not included in the scope of supply of the dryers, therefore the filter sizes are only informative.

Replacement filter elements for pre- and after filters (from 04/2013)

| KEN       | PMC Order-No. |                             | KEN       | PMC Order-No. |                             |
|-----------|---------------|-----------------------------|-----------|---------------|-----------------------------|
| Model     | Filter size   | Element grade VL, ZL, XL, A | Model     | Filter size   | Element grade VL, ZL, XL, A |
| KE-MT 120 | FL17          | 1x CPS4060_                 | KE-MT 300 | FL20          | 2x CPS4060_                 |
| KE-MT 150 | FL17          | 1x CPS4060_                 | KE-MT 380 | FL20          | 2x CPS4060_                 |
| KE-MT 200 | FL17          | 1x CPS4060_                 | KE-MT 500 | FL30          | 3x CPS4060_                 |
| KE-MT 250 | FL20          | 2x CPS4060_                 | KE-MT 600 | FL30          | 3x CPS4060_                 |

The underscore\_ should be replaced by the element grade required. Example: Filter FL20XL with filter elements 2x CPS4060XL

Pre- and after filter are not included in the scope of supply of the dryers, therefore the filter sizes are only informative.



ENGINEERING YOUR SUCCESS.



# KEN-MT 2000-10000 Series



## GENERATION 1 A

From 03/2003 to 4/2007

For the maintenance of this product range, 12/36, 24 and 48 month service-kits are required, together with other components referenced below. Furthermore a 48 month maintenance interval requires an exchange of desiccant (see DESMIX).

### 12 and 36 month interval

Material required: Service-kit, filter elements, silencer  
 Service-kit contents: Re-set module, pilot valves, control air filter-element  
 Options: Dew point sensor ZHM 100/450

| KEN-MT              | Material required - PMC Order-No. |                                                  |           | Options - PMC Order-No. |  |
|---------------------|-----------------------------------|--------------------------------------------------|-----------|-------------------------|--|
| Model               | Service-kit                       | Filter-element                                   | Silencer  | Others                  |  |
| KEN-MT 2000 - 10000 | KEN-MT12D                         | see replacement filter elements on opposite page | SDD-25/AL | ZHM100/450              |  |

### 24 month interval

Material required: Service-kit, filter elements, silencer  
 Service-kit contents: Re-set module, wear part sets for in-/outlet-valves, pilot valves, control air filter-element  
 Options: Dew point sensor ZHM 100/450

| KEN-MT             | Material required - Order-No. |                                                  |             | Options - Order-No. |  |
|--------------------|-------------------------------|--------------------------------------------------|-------------|---------------------|--|
| Model              | Service-kit                   | Filter-element                                   | Silencer    | Others              |  |
| KEN-MT 2000 - 3800 | KEN-MT24D                     | See replacement filter elements on opposite page | 2xSDD-50/AL | ZHM100/450          |  |
| KEN-MT 5000 - 8000 | KEN-MT24E                     |                                                  | 4xSDD-50/AL |                     |  |
| KEN-MT 10000       | KEN-MT24F                     |                                                  | 4xSDD-80/AL |                     |  |

### 48 month interval

Material required: Service-kit, filter elements, silencer  
 Service-kit contents: Re-set module, wear part sets for in-/outlet-valves, pilot valves, control air filter-element  
 Options: Dew point sensor ZHM 100/450

| KEN-MT             | Material required - Order-No. |                                                  |             | Options - Order-No. |  |
|--------------------|-------------------------------|--------------------------------------------------|-------------|---------------------|--|
| Model              | Service-kit                   | Filter-element                                   | Silencer    | Others              |  |
| KEN-MT 2000 - 3800 | KEN-MT48D                     | See replacement filter elements on opposite page | 2xSDD-50/AL | ZHM100/450          |  |
| KEN-MT 5000 - 8000 | KEN-MT48E                     |                                                  | 4xSDD-50/AL |                     |  |
| KEN-MT 10000       | KEN-MT48F                     |                                                  | 4xSDD-80/AL |                     |  |



ENGINEERING YOUR SUCCESS.

# KEN-MT 2000-10000 Series

GENERATION 1 A  
From 03/2003 to 4/2007



## DESMIX

48 month interval

**DESMIX content:** Molecular sieve in 1 kg, 4 kg, 15 kg or 140 kg packs and dust sieves and GASKIT

| Model       | PMC Order-No. | Model        | PMC Order-No.  |
|-------------|---------------|--------------|----------------|
| KEN-MT 2000 | KEN2000DESMIX | KEN-MT 5000  | KEN5000DESMIX  |
| KEN-MT 2600 | KEN2600DESMIX | KEN-MT 6000  | KEN6000DESMIX  |
| KEN-MT 3100 | KEN3100DESMIX | KEN-MT 8000  | KEN8000DESMIX  |
| KEN-MT 3800 | KEN3800DESMIX | KEN-MT 10000 | KEN10000DESMIX |

**GASKIT** (already included in the DESMIX packs)

**GASKIT content:** 12 flat gaskets acc. to nominal diameters

| Model            | DN | PMC Order-No. | Model           | DN  | PMC Order-No. |
|------------------|----|---------------|-----------------|-----|---------------|
| KEN-MT 2000      | 50 | GASKIT50      | KE-MT 380 - 500 | 100 | GASKIT100     |
| KEN-MT 2600-3100 | 65 | GASKIT65      | KE-MT 600       | 125 | GASKIT125     |
| KEN-MT 3800-5000 | 80 | GASKIT80      |                 |     |               |

## Replacement filter elements for pre- and after filters

| KEN-MT      | PMC Order-No. |                            | KEN-MT       | PMC Order-No. |                            |
|-------------|---------------|----------------------------|--------------|---------------|----------------------------|
| Model       | Filter size   | Element grade V, ZP, XP, A | Model        | Filter size   | Element grade V, ZP, XP, A |
| KEN-MT 2000 | G17           | 3075_                      | KEN-MT 5000  | F20           | 2x 3075_                   |
| KEN-MT 2600 | G17           | 3075_                      | KEN-MT 6000  | F20           | 2x 3075_                   |
| KEN-MT 3100 | G18           | 5060_                      | KEN-MT 8000  | F30           | 3x 3075_                   |
| KEN-MT 3800 | G19           | 5075_                      | KEN-MT 10000 | F40           | 4x 3075_                   |

The underscore\_ should be replaced by the element grade required. Example: Filter G17XP containing filter-element 3075XP resp. F20 with filter elements 2x 3075XP.

Pre- and after filter are not included in the scope of supply of the dryers, therefore the filter sizes are only informative.



ENGINEERING YOUR SUCCESS.



# KEN 2000-10000 Series

## GENERATION 0

From 09/2001 to 9/2003

For the maintenance of this product range, 12/36, 24 and 48 month service-kits are required, together with other components referenced below. Furthermore a 48 month maintenance interval requires an exchange of desiccant (see DESMIX).

### Update-Kit Multitronic

| Suitable for     | PMC Order-No. | Replaceable contents                             |
|------------------|---------------|--------------------------------------------------|
| KEN 2000 - 10000 | UKMT-230-ZHM  | Multitronic + ZHM100 + Cable + Measuring chamber |
| KEN 2000 - 10000 | UKMT-230      | Multitronic + Cable                              |

**After upgrading to the current control Multitronic the service-kits of the Generation 0 are required.**

### 12 and 36 month interval

Material required: Service-kit, filter elements, silencer  
 Service-kit contents: Pilot valves, control air filter element, indicator beads  
 Options: Dew point sensor ZHM 100/450

| KEN              | Material required - PMC Order-No. |                                                  |                              | Options - PMC Order-No. |  |
|------------------|-----------------------------------|--------------------------------------------------|------------------------------|-------------------------|--|
| Model            | Service-kit                       | Filter-element                                   | Silencer                     | Others                  |  |
| KEN 2000 - 10000 | KEN12D                            | See replacement filter elements on opposite page | siehe Intervall 24/48 Monate | ZHM100/450              |  |

### 24 month interval

Material required: Service-kit, filter elements, silencer  
 Service-kit contents: Wear part sets for in-/outlet-valves, pilot valves, control air filter-element, indicator beads  
 Options: Dew point sensor ZHM 100/450

| KEN             | Material required - PMC Order-No. |                                                  |             | Options - PMC Order-No. |  |
|-----------------|-----------------------------------|--------------------------------------------------|-------------|-------------------------|--|
| Model           | Service-kit                       | Filter-element                                   | Silencer    | Others                  |  |
| KEN 2000 - 3800 | KEN24D                            | See replacement filter elements on opposite page | 2xSDD-50/AL | ZHM100/450              |  |
| KEN 5000 - 8000 | KEN24E                            |                                                  | 4xSDD-50/AL |                         |  |
| KEN 10000       | KEN24F                            |                                                  | 4xSDD-80/AL |                         |  |

### 48 month interval

Material required: Service-kit, filter elements, silencer  
 Service-kit contents: Control air filter-element, wear part sets for in-/outlet-valves, solenoid valve block, indicator beads  
 Options: Dew point sensor ZHM 100/450

| KEN             | Material required - PMC Order-No. |                                                  |             | Options - PMC Order-No. |  |
|-----------------|-----------------------------------|--------------------------------------------------|-------------|-------------------------|--|
| Model           | Service-kit                       | Filter-element                                   | Silencer    | Others                  |  |
| KEN 2000 - 3800 | KEN48D                            | See replacement filter elements on opposite page | 2xSDD-50/AL | ZHM100/450              |  |
| KEN 5000 - 8000 | KEN48E                            |                                                  | 4xSDD-50/AL |                         |  |
| KEN 10000       | KEN48F                            |                                                  | 4xSDD-80/AL |                         |  |



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# KEN 2000-10000 Series

**GENERATION 0**  
From 09/2001 to 9/2003



## DESMIX

### 48 month interval

**DESMIX content:** Molecular sieve in 1 kg, 4 kg, 15 kg or 140 kg packs and dust sieves and GASKIT

| Model    | PMC Order-No. | Model     | PMC Order-No.  |
|----------|---------------|-----------|----------------|
| KEN 2000 | KEN2000DESMIX | KEN 5000  | KEN5000DESMIX  |
| KEN 2600 | KEN2600DESMIX | KEN 6000  | KEN6000DESMIX  |
| KEN 3100 | KEN3100DESMIX | KEN 8000  | KEN8000DESMIX  |
| KEN 3800 | KEN3800DESMIX | KEN 10000 | KEN10000DESMIX |

**GASKIT** (already included in the DESMIX packs)

**GASKIT content:** 12 flat gaskets acc. to nominal diameters

| Model           | DN | PMC Order-No. | Model           | DN  | PMC Order-No. |
|-----------------|----|---------------|-----------------|-----|---------------|
| KEN 2000        | 50 | GASKIT50      | KEN 6000 - 8000 | 100 | GASKIT100     |
| KEN 2600 - 3100 | 65 | GASKIT65      | KEN 10000       | 125 | GASKIT125     |
| KEN 3800 - 5000 | 80 | GASKIT80      |                 |     |               |

## Replacement filter elements for pre- and after filters

| KEN-MT   | PMC Order-No. |                            | KEN-MT    | PMC Order-No. |                            |
|----------|---------------|----------------------------|-----------|---------------|----------------------------|
| Model    | Filter size   | Element grade V, ZP, XP, A | Model     | Filter size   | Element grade V, ZP, XP, A |
| KEN 2000 | G17           | 3075_                      | KEN 5000  | F20           | 2x 3075_                   |
| KEN 2600 | G17           | 3075_                      | KEN 6000  | F20           | 2x 3075_                   |
| KEN 3100 | G18           | 5060_                      | KEN 8000  | F30           | 3x 3075_                   |
| KEN 3800 | G19           | 5075_                      | KEN 10000 | F40           | 4x 3075_                   |

The underscore\_ should be replaced by the element grade required. Example: Filter G17XP containing filter-element 3075XP resp. F20 with filter elements 2x 3075XP.

Pre- and after filter are not included in the scope of supply of the dryers, therefore the filter sizes are only informative.



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# Heatless Adsorption Dryers

KA-MT 1-8, KMA 5-115 Series



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# KA-MT 1-8 Series

## GENERATION 3 (OIL-X filter)

### From 01/2019 to the present day

For the maintenance of this product range, 12/36, 24 and 48 month service-kits are required, together with other components referenced below. Furthermore a 48 month maintenance interval requires an exchange of desiccant (see DESPACs). When the oil-control indicator shows that activated carbon replacement is required or at least after 12 months operation, this must be carried out. Independent of the level of discolouration in the indicator-tube (P02/ZR), the oil-control indicator must also be replaced.

### 12 and 36 month interval

Material required: Service-kit, DESPACs see on opposite page  
 Service-kit contents: Re-set module, silencers, filter elements, perforated plates  
 Options: Dew-point sensor ZHM100/450, Indicator-tube P02/ZR

| KA-MT        | Material required - PMC Order-No. |  |  | Options - PMC Order-No. |        |
|--------------|-----------------------------------|--|--|-------------------------|--------|
| Product Code | Service-kit                       |  |  | Others                  |        |
| KA-MT 1 - 4  | SKK1-K4/DA3/12                    |  |  | ZHM100/450              | P02/ZR |
| KA-MT 6 - 7  | SKK6-K7/DA3/12                    |  |  |                         |        |
| KA-MT 8      | SKK8/DA3/12                       |  |  |                         |        |

### 24 month interval

Material required: Service-kit, DESPACs see on opposite page  
 Service-kit contents: Re-set module, silencers, filter elements, wear part set for in- and outlet-valves  
 Options: Dew-point sensor ZHM100/450, indicator-tube P02/ZR

| KA-MT        | Material required - PMC Order-No. |  |  | Options - PMC Order-No. |        |
|--------------|-----------------------------------|--|--|-------------------------|--------|
| Product Code | Service-kit                       |  |  | Others                  |        |
| KA-MT 1 - 4  | SKK1-K4/DA3/24                    |  |  | ZHM100/450              | P02/ZR |
| KA-MT 6 - 7  | SKK6-K7/DA3/24                    |  |  |                         |        |
| KA-MT 8      | SKK8/DA3/24                       |  |  |                         |        |

### 48 month interval

Material required: Service-kit, DESPACs see on opposite page  
 Service-kit contents: Re-set module, silencers, filter elements, perforated plates, perforated plate gaskets, solenoid coils 230V, wear part set for in- and outlet-valves, non-return-valves, 2 demister pads.  
 Options: Dew-point sensor ZHM100/450, indicator-tube P02/ZR

| KA-MT        | Material required - PMC Order-No. |  |  | Options - PMC Order-No. |        |
|--------------|-----------------------------------|--|--|-------------------------|--------|
| Product Code | Service-kit                       |  |  | Others                  |        |
| KA-MT 1 - 4  | SKK1-K4/DA3/48                    |  |  | ZHM100/450              | P02/ZR |
| KA-MT 6 - 7  | SKK6-K7/DA3/48                    |  |  |                         |        |
| KA-MT 8      | SKK8/DA3/48                       |  |  |                         |        |

Options : coils only for 50Hz (398H254061)



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# KA-MT 1-8 Series

GENERATION 3 (OIL-X filter)  
From 01/2019 to the present day



## DESPACs

12, 24, 36, 48 month interval

Content DESPACs: Activated carbon in 3 kg or 10 kg packs

| PMC Order-No. | KA-MT 1 | KA-MT 2 | KA-MT 3 | KA-MT 4 | KA-MT 6 | KA-MT 7 | KA-MT 8 |
|---------------|---------|---------|---------|---------|---------|---------|---------|
| DESPAC3AK     | 1       | 1       | 1       | 1       | 2       | 2       |         |
| DESPAC10AK    |         |         |         |         |         |         | 1       |

48 month interval

Content DESPACs: Molecular sieve in 1 kg, 4 kg or 15 kg packs

| PMC Order-No. | KA-MT 1 | KA-MT 2 | KA-MT 3 | KA-MT 4 | KA-MT 6 | KA-MT 7 | KA-MT 8 |
|---------------|---------|---------|---------|---------|---------|---------|---------|
| DESPAC1MS     | 1       |         | 1       |         | 1       |         |         |
| DESPAC4MS     |         | 1       | 1       | 2       | 3       | 4       | 1       |
| DESPAC15MS    |         |         |         |         |         |         | 1       |

Replacement filter elements for pre- and after filters (filter elements are included in the service-kit)

| K-MT         | PMC Order-No.   |               |                   |               |
|--------------|-----------------|---------------|-------------------|---------------|
| Product code | Upstream filter | Element grade | Downstream filter | Element grade |
| KA-MT 1      | AAPX010AGFX     | P010AA        | AOPX010AGMX       | P010AO        |
| KA-MT 2      | AAPX010AGFX     | P010AA        | AOPX010AGMX       | P010AO        |
| KA-MT 3      | AAPX010AGFX     | P010AA        | AOPX010AGMX       | P010AO        |
| KA-MT 4      | AAPX010AGFX     | P010AA        | AOPX010AGMX       | P010AO        |
| KA-MT 6      | AAPX015AGFX     | P015AA        | AOPX015AGMX       | P015AO        |
| KA-MT 7      | AAPX015AGFX     | P015AA        | AOPX015AGMX       | P015AO        |
| KA-MT 8      | AAPX020AGFX     | P020AA        | AOPX020AGMX       | P020AO        |

The code spacing\_ should contain the filter-element grade required. Example: Filter AAP010AGFI containing filter-element P010AA.

## Loose accessories

| Suitable for | PMC Order-No. | Use                    | Suitable for | PMC Order-No.   | Use                   |
|--------------|---------------|------------------------|--------------|-----------------|-----------------------|
| KA-MT 1 - 8  | VASRGR/K1-K8  | Purge air return-line  | KA-MT 1 - 4  | VASVPB/K1-K4/08 | Starting device G1/4i |
| KA-MT 1 - 8  | VASDPD/K1-K95 | Dew-point measurement  | KA-MT 6 - 7  | VASVPB/K6-K7/15 | Starting device G1/2i |
| KA-MT 1 - 8  | VASMBS420     | Signal Splitter 4-20mA | KA-MT 8      | VASVPB/K8/20    | Starting device G3/4i |
| KA-MT 1 - 8  | VASNOZ/K1-K95 | Nozzle-kit             | KA-MT 1 - 4  | VASF3/K1-K4     | Fine filter silencer  |
| KA-MT 1 - 8  | VASSDD08/15   | Filter silencer        | KA-MT 6 - 8  | VASF5/K6-K8     | Fine filter silencer  |



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# KA-MT 1-8 Series

## GENERATION 2

**From 07/2011 to 12/2018**

For the maintenance of this product range, 12/36, 24 and 48 month service-kits are required, together with other components referenced below. Furthermore a 48 month maintenance interval requires an exchange of desiccant (see DESPACs). When the oil-control indicator shows that activated carbon replacement is required or at least after 12 months operation, this must be carried out. Independent of the level of discolouration in the indicator-tube (P02/ZR), the oil-control indicator must also be replaced.

### 12 and 36 month interval

Material required: Service-kit, DESPACs see on opposite page  
 Service-kit contents: Re-set module, silencers, filter elements, perforated plates  
 Options: Dew-point sensor ZHM100/450, Indicator-tube P02/ZR

| KA-MT        | Material required - PMC Order-No. |  |  | Options - PMC Order-No. |        |
|--------------|-----------------------------------|--|--|-------------------------|--------|
| Product Code | Service-kit                       |  |  | Others                  |        |
| KA-MT 1 - 4  | SKK1-K4/DA2/12                    |  |  | ZHM100/450              | P02/ZR |
| KA-MT 6 - 7  | SKK6-K7/DA2/12                    |  |  |                         |        |
| KA-MT 8      | SKK8/DA2/12                       |  |  |                         |        |

### 24 month interval

Material required: Service-kit, DESPACs see on opposite page  
 Service-kit contents: Re-set module, silencers, filter elements, wear part set for in- and outlet-valves  
 Options: Dew-point sensor ZHM100/450, indicator-tube P02/ZR

| KA-MT        | Material required - PMC Order-No. |  |  | Options - PMC Order-No. |        |
|--------------|-----------------------------------|--|--|-------------------------|--------|
| Product Code | Service-kit                       |  |  | Others                  |        |
| KA-MT 1 - 4  | SKK1-K4/DA2/24                    |  |  | ZHM100/450              | P02/ZR |
| KA-MT 6 - 7  | SKK6-K7/DA2/24                    |  |  |                         |        |
| KA-MT 8      | SKK8/DA2/24                       |  |  |                         |        |

### 48 month interval

Material required: Service-kit, DESPACs see on opposite page  
 Service-kit contents: Re-set module, silencers, filter elements, perforated plates, perforated plate gaskets, solenoid coils 230V, wear part set for in- and outlet-valves, non-return-valves, 2 demister pads.  
 Options: Dew-point sensor ZHM100/450, indicator-tube P02/ZR

| KA-MT        | Material required - PMC Order-No. |  |  | Options - PMC Order-No. |        |
|--------------|-----------------------------------|--|--|-------------------------|--------|
| Product Code | Service-kit                       |  |  | Others                  |        |
| KA-MT 1 - 4  | SKK1-K4/DA2/48                    |  |  | ZHM100/450              | P02/ZR |
| KA-MT 6 - 7  | SKK6-K7/DA2/48                    |  |  |                         |        |
| KA-MT 8      | SKK8/DA2/48                       |  |  |                         |        |



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# KA-MT 1-8 Series

GENERATION 2

From 07/2011 to 12/2018



## DESPACs

12, 24, 36, 48 month interval

Content DESPACs: Activated carbon in 3 kg or 10 kg packs

| PMC Order-No. | KA-MT 1 | KA-MT 2 | KA-MT 3 | KA-MT 4 | KA-MT 6 | KA-MT 7 | KA-MT 8 |
|---------------|---------|---------|---------|---------|---------|---------|---------|
| DESPAC3AK     | 1       | 1       | 1       | 1       | 2       | 2       |         |
| DESPAC10AK    |         |         |         |         |         |         | 1       |

48 month interval

Content DESPACs: Molecular sieve in 1 kg, 4 kg or 15 kg packs

| PMC Order-No. | KA-MT 1 | KA-MT 2 | KA-MT 3 | KA-MT 4 | KA-MT 6 | KA-MT 7 | KA-MT 8 |
|---------------|---------|---------|---------|---------|---------|---------|---------|
| DESPAC1MS     | 1       |         | 1       |         | 1       |         |         |
| DESPAC4MS     |         | 1       | 1       | 2       | 3       | 4       | 1       |
| DESPAC15MS    |         |         |         |         |         |         | 1       |

Replacement filter elements for pre- and after filters (filter elements are included in the service-kit)

| K-MT         | PMC Order-No.       |                             | K-MT         | PMC Order-No.       |                             |
|--------------|---------------------|-----------------------------|--------------|---------------------|-----------------------------|
| Product code | Filter housing size | Element grade VL, ZL, XL, A | Product code | Filter housing size | Element grade VL, ZL, XL, A |
| KA-MT 1      | GL2                 | CP1008_                     | KA-MT 6      | GL5                 | CP2010_                     |
| KA-MT 2      | GL2                 | CP1008_                     | KA-MT 7      | GL5                 | CP2010_                     |
| KA-MT 3      | GL2                 | CP1008_                     | KA-MT 8      | GL7                 | CP2020_                     |
| KA-MT 4      | GL2                 | CP1008_                     |              |                     |                             |

The code spacing\_ should contain the filter-element grade required. Example: Filter GL2XL containing filter-element CP1008XL.

## Loose accessories

| Suitable for | PMC Order-No. | Use                    | Suitable for | PMC Order-No.   | Use                   |
|--------------|---------------|------------------------|--------------|-----------------|-----------------------|
| KA-MT 1 - 8  | VASRGR/K1-K8  | Purge air return-line  | KA-MT 1 - 4  | VASVPB/K1-K4/08 | Starting device G1/4i |
| KA-MT 1 - 95 | VASDPD/K1-K95 | Dew-point measurement  | KA-MT 6 - 7  | VASVPB/K6-K7/15 | Starting device G1/2i |
| KA-MT 1 - 95 | VASMBS420     | Signal Splitter 4-20mA | KA-MT 8      | VASVPB/K8/20    | Starting device G3/4i |
| KA-MT 1 - 95 | VASNOZ/K1-K95 | Nozzle-kit             | KA-MT 1 - 4  | VASFS3/K1-K4    | Fine filter silencer  |
| KA-MT 1 - 8  | VASSDD08/15   | Filter silencer        | KA-MT 6 - 8  | VASFS5/K6-K8    | Fine filter silencer  |



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# KA-MT 1-8 Series

## GENERATION 1

From 05/2003 to 06/2011

For the maintenance of this product range, 12/36, 24 and 48 month service-kits are required, together with other components referenced below. Furthermore a 48 month maintenance interval requires an exchange of desiccant (see DESPACs). When the oil-control indicator shows that activated carbon replacement is required or at least after 12 months operation, this must be carried out. Independent of the level of discolouration in the indicator-tube (P02/ZR), the oil-control indicator must also be replaced.

### 12 and 36 month interval

Material required: Service-kit, perforated plate gaskets (RKA), filter-element, silencer, DESPACs

Service-kit contents: Re-set module

Service-kit contents RKA: Filter elements for after-filter, 2x perforated plate gaskets with foamed seals

Options: Dew-point sensor ZHM 100/450, indicator-tube P02/ZR

| KA-MT        | Material required - PMC Order-No. |         |                                                  |             | Options - PMC Order-No. |        |
|--------------|-----------------------------------|---------|--------------------------------------------------|-------------|-------------------------|--------|
| Product Code | Service-kit                       |         | Filter-element                                   | Silencer    | Others                  |        |
| KA-MT 1 - 4  | K-MT12A                           | RKA1-A4 | See replacement filter elements on opposite page | VASSDD08/15 | ZHM100/450              | P02/ZR |
| KA-MT 6- 8   | K-MT12A                           | RKA6-A8 |                                                  |             |                         |        |

### 24 month interval

Material required: Service-kit, perforated plate gaskets (RKA) silencers, filter elements, DESPACs see opposite page

Service-kit contents Re-set module, wear part set for in- and outlet-valves

Service-kit contents RKA: Filter elements for after-filter, 2 x perforated plate gaskets with foamed seals

Options: Dew-point sensor ZHM100/450, indicator-tube P02/ZR

| KA-MT        | Material required - PMC Order-No. |         |                                                  |             | Options - PMC Order-No. |        |
|--------------|-----------------------------------|---------|--------------------------------------------------|-------------|-------------------------|--------|
| Product Code | Service-kit                       |         | Filter-element                                   | Silencer    | Others                  |        |
| KA-MT 1 - 4  | K-MT24A                           | RKA1-A4 | See replacement filter elements on opposite page | VASSDD08/15 | ZHM100/450              | P02/ZR |
| KA-MT 6 - 8  |                                   | RKA6-A8 |                                                  |             |                         |        |

### 48 month interval

Material required: Service-kit, silencer, filter elements, DESPACs see on opposite page

Service-kit contents: Re-set module, perforated plates, perforated plate gaskets, solenoid coils 230V, wear part set for in-/outlet-valves, non-return valves, 2 Demisters

Options: Dew point sensor ZHM100/450

| K-MT         | Material required -PMC Order-No. |         |                                                  |             | Options - PMC Order-No. |        |
|--------------|----------------------------------|---------|--------------------------------------------------|-------------|-------------------------|--------|
| Product Code | Service-kit                      |         | Filter-element                                   | Silencer    | Others                  |        |
| K-MT 1 - 4   | K-MT48A                          | RKA1-A4 | See replacement filter elements on opposite page | VASSDD08/15 | ZHM100/450              | P02/ZR |
| K-MT 6 - 8   | K-MT48B                          | RKA6-A8 |                                                  |             |                         |        |



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# KA-MT 1-8 Series

GENERATION 1

From 05/2003 to 06/2011



## DESPACs

12, 24, 36, 48 month interval

Content DESPACs: Activated carbon in 3 kg or 10 kg packs

| PMC Order-No. | KA-MT 1 | KA-MT 2 | KA-MT 3 | KA-MT 4 | KA-MT 6 | KA-MT 7 | KA-MT 8 |
|---------------|---------|---------|---------|---------|---------|---------|---------|
| DESPAC3AK     | 1       | 1       | 1       | 1       | 2       | 2       |         |
| DESPAC10AK    |         |         |         |         |         |         | 1       |

## 48 month interval

Content DESPACs: Molecular sieve in 1 kg, 4 kg or 15 kg packs

| PMC Order-No. | KA-MT 1 | KA-MT 2 | KA-MT 3 | KA-MT 4 | KA-MT 6 | KA-MT 7 | KA-MT 8 |
|---------------|---------|---------|---------|---------|---------|---------|---------|
| DESPAC1MS     | 1       |         | 1       |         | 1       |         |         |
| DESPAC4MS     |         | 1       | 1       | 2       | 3       | 4       | 1       |
| DESPAC15MS    |         |         |         |         |         |         | 1       |

## Replacement filter elements for pre- and after filters

| KA-MT        | PMC Order-No.       |                             | KA-MT        | PMC Order-No.       |                             |
|--------------|---------------------|-----------------------------|--------------|---------------------|-----------------------------|
| Product code | Filter housing size | Element grade VL, ZL, XL, A | Product code | Filter housing size | Element grade VL, ZL, XL, A |
| KA-MT 1      | G2                  | 1030_                       | KA-MT 6      | G5                  | 1070_                       |
| KA-MT 2      | G2                  | 1030_                       | KA-MT 7      | G5                  | 1070_                       |
| KA-MT 3      | G2                  | 1030_                       | KA-MT 8      | G7                  | 1140_                       |
| KA-MT 4      | G2                  | 1030_                       |              |                     |                             |

The code spacing\_ should contain the filter-element grade required. Example: Filter G2XP containing filter element 1030XP.

## Loose accessories

| Suitable for | PMC Order-No. | Use                     | Suitable for | PMC Order-No.   | Use                   |
|--------------|---------------|-------------------------|--------------|-----------------|-----------------------|
| KA-MT 1 - 8  | VASRGR/K1-K8  | Purge air return-line   | KA-MT 1 - 4  | VASVPB/K1-K4/08 | Starting device G1/4i |
| KA-MT 1 - 95 | VASDPD/K1-K95 | Dew point measurement   | KA-MT 6 - 7  | VASVPB/K6-K7/10 | Starting device G3/8i |
| KA-MT 1 - 95 | VASMBS420     | Signal Splitter 4-20 mA | KA-MT 8      | VASVPB/K6-K7/15 | Starting device G3/4i |
| KA-MT 1 - 95 | VASNOZ/K1-K95 | Nozzle-kit              | KA-MT 1 - 4  | VASF3/K1-K4     | Fine filter silencer  |
| KA-MT 1 - 8  | VASSDD08/15   | Silencer                | KA-MT 6 - 8  | VASF5/K6-K8     | Fine filter silencer  |



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# KMA 5-115 Series

## GENERATION 0

Up to mid. 2003

Generation 0 dryers should be updated once to the latest technical specification using the following retrofit kits.

For the maintenance of this product range, 12/36, 24 and 48 month service-kits are required, together with other components referenced below. Furthermore a 48 month maintenance interval requires an exchange of desiccant (see DESPACs). When the oil-control indicator shows that activated carbon replacement is required or at least after 12 months operation, this must be carried out. Independent of the level of discolouration in the indicator-tube (P02/ZR), the oil-control indicator must also be replaced.

### Update-kit

| Suitable for | PMC Order-No. | Replaceable contents                                       |
|--------------|---------------|------------------------------------------------------------|
| KMA 5 - 35   | UKKM5-35      | Solenoid valve plate incl. seals + cable + socket-coupling |
| KMA 5 - 35   | UKKM5-35/RV   | Non-return valve plate incl. seals - without nozzle        |
| KMA 75 - 115 | UKKM75-115    | Solenoid valve plate incl. seals + cable + socket-coupling |
| KMA 75 - 115 | UKKM75-115/RV | Non-return valve plate incl. seals - without nozzle        |

### Update-kit Multitronic

| Suitable for | PMC Order-No. | Replaceable contents                             |
|--------------|---------------|--------------------------------------------------|
| KMA 5 - 115  | UKMT-230-ZHM  | Multitronic + cable + ZHM100 + measuring chamber |
| KMA 5 - 115  | UKMT-230      | Multitronic + cable                              |

After the conversion of the current control Multitronic every 12 month is the following service kit required

|             |         |             |
|-------------|---------|-------------|
| KMA 5 - 115 | K-MT12A | Reset-modul |
|-------------|---------|-------------|

### 12 and 36 month interval

Material required: Filter-element, perforated plate gaskets (AKMKIT) silencers, DESPACs

Service-kit contents: -

Service-kit contents AKMKIT: Filter elements for after-filter, 2 x perforated plates gaskets with foamed seals

Options: Dew-point sensor\*, indicator-tube P02/ZR

| KMA          | Material required - PMC Order-No. |                                                  |             | Options - PMC Order-No. |        |
|--------------|-----------------------------------|--------------------------------------------------|-------------|-------------------------|--------|
| Product Code | Service-kit                       | Filter-element                                   | Silencer    | Others                  |        |
| KMA 5 - 35   | RKA1-A4                           | See replacement filter elements on opposite page | VASSDD08/15 | ZHM100/450*             | P02/ZR |
| KMA 75 - 115 | AKMKIT2                           |                                                  |             |                         |        |

\* Dew-point sensor can vary in type: Please provide the construction number of the dryer when making an enquiry.

### 24 month interval

Material required: Service-kit, filter elements, perforated plate gaskets (AKMKIT), silencers, DESPACs see opposite page

Service-kit contents Wear part set for in- and outlet-valves

Service-kit contents AKMKIT: Filter elements for after-filter, 2 x perforated plate gaskets with foamed seals

Options: Dew-point sensor, indicator-tube P02/ZR

| KMA           | Material required - PMC Order-No. |                |             | Options -PMC Order-No. |        |
|---------------|-----------------------------------|----------------|-------------|------------------------|--------|
| Product Code  | Service-kit                       | Filter-element | Silencer    | Others                 |        |
| KMA 5 - 35    | KM24A-UG                          | RKA1-A4        | VASSDD08/15 | ZHM100/450*            | P02/ZR |
| KMA 75 - 1 15 |                                   | AKMKIT2        |             |                        |        |

\* Dew-point sensor can vary in type: Please provide the construction number of the dryer when making an enquiry.



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# KMA 5-115 Series

**GENERATION 0**  
**Up to mid. 2003**



## 48 month interval

Material required: Service-kit, filter elements, silencers, DESPACs see below  
 Service-kit contents: Perforated plate gaskets, solenoid coils 230V, wear part set for in- and outlet-valves, non-return valves  
 Service-kit contents AK: Filter elements for after-filter, 2 x perforated plates gaskets with foamed seals  
 Options: Dew-point sensor, indicator-tube P02/ZR )

| KMA          | Material required - PMC Order-No. |         |                                                  |             | Options     |        |
|--------------|-----------------------------------|---------|--------------------------------------------------|-------------|-------------|--------|
| Product Code | Service-kit                       |         | Filter-element                                   | Silencer    | Others      |        |
| KMA 5 - 35   | KM48A-UG                          | RKA1-A4 | See replacement filter elements on opposite page | VASSDD08/15 | ZHM100/450* | P02/ZR |
| KMA 75 - 115 | KM48B-UG                          | AKMKIT2 |                                                  |             |             |        |

\* Dew-point sensor can vary in type: Please provide the construction number of the dryer when making an enquiry.

## DESPACs

### 12, 24, 36, 48 month interval

**Content DESPACs: Activated carbon in 3 kg or 10 kg packs**

| PMC Order-No. | KMA 5 | KMA 10 | KMA 25 | KMA 35 | KMA 75 | KMA 95 | KMA 115 |
|---------------|-------|--------|--------|--------|--------|--------|---------|
| DESPAC3AK     | 1     | 1      | 1      | 1      | 2      | 2      |         |
| DESPAC10AK    |       |        |        |        |        |        | 1       |

## 48 month interval

**Content DESPACs: Molecular sieve in 1 kg, 4 kg or 15 kg packs**

| PMC Order-No. | KMA 5 | KMA 10 | KMA 25 | KMA 35 | KMA 75 | KMA 95 | KMA 115 |
|---------------|-------|--------|--------|--------|--------|--------|---------|
| DESPAC1MS     | 1     |        | 1      |        | 1      |        |         |
| DESPAC4MS     |       | 1      | 1      | 2      | 3      | 4      | 1       |
| DESPAC15MS    |       |        |        |        |        |        | 1       |

## Replacement filter elements for pre- and after filters

| KMA          | PMC Order-No.       |                            | K-MT         | PMC Order-No.       |                            |
|--------------|---------------------|----------------------------|--------------|---------------------|----------------------------|
| Product code | Filter housing size | Element grade V, ZP, XP, A | Product code | Filter housing size | Element grade V, ZP, XP, A |
| KMA 5        | G2                  | 1030_                      | KMA 75       | G5                  | 1070_                      |
| KMA 10       | G2                  | 1030_                      | KMA 95       | G5                  | 1070_                      |
| KMA 25       | G2                  | 1030_                      | KMA 115      | G7                  | 1140_                      |
| KMA 35       | G2                  | 1030_                      |              |                     |                            |

The code spacing\_ should contain the filter-element grade required. Example: Filter G2XP containing filter element 1030XP.



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# Heatless Adsorption Dryers

KA-MT 10-95, KEA-MT 10-95,  
KEA 200-1400 Series



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# KA-MT 10-95 Series

## GENERATION 3 (OIL-X filter)

### From 01/2019 to the present day

For the maintenance of this product range, 12/36, 24 and 48 month service-kits are required, together with other components referenced below. Furthermore a 48 month maintenance interval requires an exchange of desiccant (see DESMIX). When the oil-control indicator shows that activated carbon replacement is required or at least after 12 months operation, this must be carried out. Independent of the level of discolouration in the indicator-tube (P02/ZR), the oil-control indicator must also be replaced

### 12 and 36 month interval

Material required: Service-kit, DESPACs see on opposite page  
 Service-kit contents: Re-set module, silencers, filter-elements, pilot valves  
 Options: Dew-point sensor ZHM100/450, Indicator-tube P02/ZR

| KA-MT         | Material required - PMC Order-No. |               | Options - PMC Order-No. |        |
|---------------|-----------------------------------|---------------|-------------------------|--------|
| Model         | Service-kit                       | Mains voltage | Others                  |        |
| KA-MT 10-20   | SKK10-K20/D3/12                   | 115V, 230V    | ZHM100/450              | P02/ZR |
| KA-MT 25      | SKK25/D3/12                       | 115V, 230V    |                         |        |
| KA-MT 35      | SKK35/D3/12                       | 115V, 230V    |                         |        |
| KA-MT 45      | SKK45/D3/12                       | 115V, 230V    |                         |        |
| KA-MT 60 - 75 | SKK60-K75/D3/12                   | 115V, 230V    |                         |        |
| KA-MT 95      | SKK95/D3/12                       | 115V, 230V    |                         |        |

### 24 and 48 month interval

Material required: Service-kit,  
 48-month interval: Also DESMIX packs (see on opposite page)  
 Service-kit contents: Re-set module, silencer, filter-elements, solenoid coils 230V, wear part set for in- and outlet-valves, non-return-valves, O-ring sets (internal/external) for solenoid valve block  
 Options: Dew-point sensor ZHM100/450, Indicator-tube P02/ZR

| KA-MT         | Material required - PMC Order-No. |               | Options - PMC Order-No. |        |
|---------------|-----------------------------------|---------------|-------------------------|--------|
| Model         | Service-kit                       | Mains voltage | Others                  |        |
| KA-MT 10-20   | SKK10-K20/D3/24/115               | 115V          | ZHM100/450              | P02/ZR |
|               | SKK10-K20/D3/24                   | 230V          |                         |        |
| KA-MT 25      | SKK25/D3/24/115                   | 115V          |                         |        |
|               | SKK25/D3/24                       | 230V          |                         |        |
| KA-MT 35      | SKK35/D3/24/115                   | 115V          |                         |        |
|               | SKK35/D3/24                       | 230V          |                         |        |
| KA-MT 45      | SKK45/D3/24/115                   | 115V          |                         |        |
|               | SKK45/D3/24                       | 230V          |                         |        |
| KA-MT 60 - 75 | SKK60-K75/D3/24/115               | 115V          |                         |        |
|               | SKK60-K75/D3/24                   | 230V          |                         |        |
| KA-MT 95      | SKK95/D3/24/115                   | 115V          |                         |        |
|               | SKK95/D3/24                       | 230V          |                         |        |

Options : coils only for 50Hz (398H254061)



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# KA-MT 10-95 Series

GENERATION 3 (OIL-X filter)  
From 01/2019 to the present day



## DESPAC

12, 24, 36, 48 month interval

Content DESPAC: Activated carbon in 3 kg or 10 kg packs

| PMC Order No. | KA-MT 10 | KA-MT 15 | KA-MT 20 | KA-MT 25 | KA-MT 35 | KA-MT 45 | KA-MT 60 | KA-MT 75 | KA-MT 95 |
|---------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| DESPAC3AK     |          | 1        | 2        | 1        |          | 1        |          |          |          |
| DESPAC10AK    | 1        | 1        | 1        | 2        | 3        | 3        | 5        | 7        | 9        |

## DESMIX

48 month interval

DESMIX content: Molecular sieve in 1 kg, 4 kg, 15 kg or 140 kg packs

| Model    | PMC Order No. | Model    | PMC Order-No. |
|----------|---------------|----------|---------------|
| KA-MT 10 | K-MT10DESMIX  | KA-MT 45 | K-MT60DESMIX  |
| KA-MT 15 | K-MT15DESMIX  | KA-MT 60 | K-MT60DESMIX  |
| KA-MT 20 | K-MT20DESMIX  | KA-MT 75 | K-MT75DESMIX  |
| KA-MT 25 | K-MT25DESMIX  | KA-MT 95 | K-MT95DESMIX  |
| KA-MT 35 | K-MT35DESMIX  |          |               |

Replacement filter elements for pre- and after filters (filter elements are included in the service-kit)

| K-MT     | PMC Order-No.   |               |                   |               |
|----------|-----------------|---------------|-------------------|---------------|
| Model    | Upstream filter | Element grade | Downstream filter | Element grade |
| KA-MT 10 | AAPX025EGFX     | P025AA        | AOPX025EGMX       | P025AO        |
| KA-MT 15 | AAPX025EGFX     | P025AA        | AOPX025EGMX       | P025AO        |
| KA-MT 20 | AAPX025EGFX     | P025AA        | AOPX025EGMX       | P025AO        |
| KA-MT 25 | AAPX030GGFX     | P030AA        | AOPX030GGMX       | P030AO        |
| KA-MT 35 | AAPX030GGFX     | P030AA        | AOPX030GGMX       | P030AO        |
| KA-MT 45 | AAPX035GGFX     | P035AA        | AOPX035GGMX       | P035AO        |
| KA-MT 60 | AAPX040HGFX     | P040AA        | AOPX040HGMX       | P040AO        |
| KA-MT 75 | AAPX040HGFX     | P040AA        | AOPX040HGMX       | P040AO        |
| KA-MT 95 | AAPX045IGFX     | P045AA        | AOPX045IGMX       | P045AO        |

The underscore\_ should be replaced by the element grade required. Example Filter AAP035GGFX containing filter-element P035AA.

## Loose accessories

| Suitable for  | PMC Order No.  | Use                    | Suitable for  | PMC Order No.     | Use                            |
|---------------|----------------|------------------------|---------------|-------------------|--------------------------------|
| KA-MT 10 - 95 | VASDPD/K1-K95  | Dew-point measuren.    | KA-MT 10 - 20 | VASVPB/K10-K20/25 | Start-up device G1i            |
| KA-MT 10 - 95 | VASMBS420      | Signal doppler 4-20 mA | KA-MT 25 - 45 | VASVPB/K25-K45/40 | Start-up device G1 1/2i        |
| KA-MT 10 - 15 | VASF5S/K10-K15 | Fine filter silencer   | KA-MT 60 - 75 | VASVPB/K60-K75/50 | Start-up device G2i            |
| KA-MT 20 - 25 | VASF5S/K20-K25 | Fine filter silencer   | KA-MT 95      | VASVPB/K95/65     | Start-up device G2 1/2i        |
| KA-MT 35 - 60 | VASF5S/K35-K60 | Fine filter silencer   | KA-MT 10 - 75 | VASRGR/K10-K75    | Regeneration gas recirculation |
| KA-MT 75 - 95 | VASF5S/K75-K95 | Fine filter silencer   | KA-MT 95      | VASRGR/K95        | Regeneration gas recirculation |
|               |                |                        | KA-MT 10 - 95 | VASNOZ/K1-K75     | Nozzle-kit                     |



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# KA-MT 10-95 Series

## GENERATION 2

From 07/2011 to 12/2018

For the maintenance of this product range, 12/36, 24 and 48 month service-kits are required, together with other components referenced below. Furthermore a 48 month maintenance interval requires an exchange of desiccant (see DESMIX). When the oil-control indicator shows that activated carbon replacement is required or at least after 12 months operation, this must be carried out. Independent of the level of discolouration in the indicator-tube (P02/ZR), the oil-control indicator must also be replaced

### 12 and 36 month interval

Material required: Service-kit, DESPACs see on opposite page  
 Service-kit contents: Re-set module, silencers, filter-elements, pilot valves  
 Options: Dew-point sensor ZHM100/450, Indicator-tube P02/ZR

| KA-MT         | Material required - PMC Order-No. |  |  | Options - PMC Order-No. |        |
|---------------|-----------------------------------|--|--|-------------------------|--------|
| Model         | Service-kit                       |  |  | Others                  |        |
| KA-MT 10 - 20 | SKK10-K20/D2/12                   |  |  | ZHM100/450              | P02/ZR |
| KA-MT 25      | SKK25/D2/12                       |  |  |                         |        |
| KA-MT 35      | SKK35/D2/12                       |  |  |                         |        |
| KA-MT 45      | SKK45/D2/12                       |  |  |                         |        |
| KA-MT 60 - 75 | SKK60-K75/D2/12                   |  |  |                         |        |
| KA-MT 95      | SKK95/D2/12                       |  |  |                         |        |

### 24 and 48 month interval

Material required: Service-kit,  
 48-month interval: Also DESMIX packs (see on opposite page)  
 Service-kit contents: Re-set module, silencer, filter-elements, solenoid coils 230V, wear part set for in- and outlet-valves, non-return-valves, O-ring sets (internal/external) for solenoid valve block  
 Options: Dew-point sensor ZHM100/450, Indicator-tube P02/ZR

| KA-MT         | Material required - PMC Order-No. |  |  | Options - PMC Order-No. |        |
|---------------|-----------------------------------|--|--|-------------------------|--------|
| Model         | Service-kit                       |  |  | Others                  |        |
| KA-MT 10 - 20 | SKK10-K20/D2/24                   |  |  | ZHM100/450              | P02/ZR |
| KA-MT 25      | SKK25/D2/24                       |  |  |                         |        |
| KA-MT 35      | SKK35/D2/24                       |  |  |                         |        |
| KA-MT 45      | SKK45/D2/24                       |  |  |                         |        |
| KA-MT 60 - 75 | SKK60-K75/D2/24                   |  |  |                         |        |
| KA-MT 95      | SKK95/D2/24                       |  |  |                         |        |



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# KA-MT 10-95 Series

GENERATION 2

From 07/2011 to 12/2018



## DESPAC

12, 24, 36, 48 month interval

Content DESPAC: Activated carbon in 3 kg or 10 kg packs

| PMC Order No. | KA-MT 10 | KA-MT 15 | KA-MT 20 | KA-MT 25 | KA-MT 35 | KA-MT 45 | KA-MT 60 | KA-MT 75 | KA-MT 95 |
|---------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| DESPAC3AK     |          | 1        | 2        | 1        |          | 2        |          |          |          |
| DESPAC10AK    | 1        | 1        | 1        | 2        | 3        | 3        | 5        | 7        | 9        |

## DESMIX

48 month interval

DESMIX content: Molecular sieve in 1 kg, 4 kg, 15 kg or 140 kg packs

| Model    | PMC Order-No. | Model         | PMC Order-No. |
|----------|---------------|---------------|---------------|
| KA-MT 10 | K-MT10DESMIX  | KA-MT 35      | K-MT35DESMIX  |
| KA-MT 15 | K-MT15DESMIX  | KA-MT 45 - 60 | K-MT60DESMIX  |
| KA-MT 20 | K-MT20DESMIX  | KA-MT 75      | K-MT75DESMIX  |
| KA-MT 25 | K-MT25DESMIX  | KA-MT 95      | K-MT95DESMIX  |

Replacement filter elements for pre- and after filters (filter elements are included in the service-kit)

| K-MT     | PMC Order-No. |                             | K-MT     | PMC Order-No. |                             |
|----------|---------------|-----------------------------|----------|---------------|-----------------------------|
| Model    | Filter size   | Element grade VL, ZL, XL, A | Model    | Filter size   | Element grade VL, ZL, XL, A |
| KA-MT 10 | GL9           | CP3025_                     | KA-MT 45 | GL12          | CP4040_                     |
| KA-MT 15 | GL9           | CP3025_                     | KA-MT 60 | GL13          | CP4050_                     |
| KA-MT 20 | GL9           | CP3025_                     | KA-MT 75 | GL13          | CP4050_                     |
| KA-MT 25 | GL11          | CP3040_                     | KA-MT 95 | GL14          | CP4065_                     |
| KA-MT 35 | GL11          | CP3040_                     |          |               |                             |

The underscore\_ should be replaced by the element grade required. Example Filter GL9XL containing filter-element CP3025XL.

## Loose accessories

| Suitable for  | PMC Order No.  | Use                    | Suitable for  | PMC Order No.     | Use                            |
|---------------|----------------|------------------------|---------------|-------------------|--------------------------------|
| KA-MT 10 - 95 | VASDPD/K1-K95  | Dew-point measuren.    | KA-MT 10 - 20 | VASVPB/K10-K20/25 | Start-up device G1i            |
| KA-MT 10 - 95 | VASMBS420      | Signal doppler 4-20 mA | KA-MT 25 - 45 | VASVPB/K25-K45/40 | Start-up device G1 1/2i        |
| KA-MT 10 - 15 | VASFS5/K10-K15 | Fine filter silencer   | KA-MT 60 - 75 | VASVPB/K60-K75/50 | Start-up device G2i            |
| KA-MT 20 - 25 | VASFS5/K20-K25 | Fine filter silencer   | KA-MT 95      | VASVPB/K95/65     | Start-up device G2 1/2i        |
| KA-MT 35 - 60 | VASFS5/K35-K60 | Fine filter silencer   | KA-MT 10 - 75 | VASRGR/K10-K75    | Regeneration gas recirculation |
| KA-MT 75 - 95 | VASFS5/K75-K95 | Fine filter silencer   | KA-MT 95      | VASRGR/K95        | Regeneration gas recirculation |
|               |                |                        | KA-MT 10 - 95 | VASNOZ/K1-K75     | Nozzle-kit                     |



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# KEA-MT 10-95 Series

## GENERATION 1

**From 04/2007 to 07/2011**

For the maintenance of this product range, 12/36, 24 and 48 month service-kits are required, together with other components referenced below. Furthermore a 48 month maintenance interval requires an exchange of desiccant (see DESMIX). When the oil-control indicator shows that activated carbon replacement is required or at least after 12 months operation, this must be carried out. Independent of the level of discolouration in the indicator-tube (P02/ZR), the oil-control indicator must also be replaced.

### 12 and 36 month interval

Material required: Service-kit, filter elements, silencer  
 Service-kit contents: Re-set module, pilot valves  
 Options: Dew point sensor ZHM 100/450

| KEA-MT         | Material required - PMC Order-No. |                                                  |           | Options - PMC Order-No. |        |
|----------------|-----------------------------------|--------------------------------------------------|-----------|-------------------------|--------|
| Model          | Service-kit                       | Filter-element                                   | Silencer  | Others                  |        |
| KEA-MT 10 - 25 | KE-MT12A                          | See replacement filter elements on opposite page | SDD-25/AL | ZHM100/450              | P02/ZR |
| KEA-MT 35 - 60 |                                   |                                                  | SDD-40/AL |                         |        |
| KEA-MT 75 - 95 |                                   |                                                  | SDD-50/AL |                         |        |

### 24 and 48 month interval

Material required: Service-kit, silencer, filter-elements, DESPAC (see on opposite page)  
 48-month interval: Also DESMIX packs (see on opposite page)  
 Service-kit contents: Re-set module, wear part set for in- and outlet-valves, non-return-valves  
 O-ring sets (internal/external) for solenoid valve block, pilot valves, solenoid coils 230V  
 Options: Dew-point sensor ZHM100/450, Indicator-tube P02/ZR

| KEA-MT         | Material required - PMC Order-No. |                                                  |           | Options - PMC Order-No. |        |
|----------------|-----------------------------------|--------------------------------------------------|-----------|-------------------------|--------|
| Model          | Service-kit                       | Filter-element                                   | Silencer  | Others                  |        |
| KEA-MT 10 - 25 | KE-MT24A                          | See replacement filter elements on opposite page | SDD-25/AL | ZHM100/450              | P02/ZR |
| KEA-MT 35 - 60 | KE-MT24B                          |                                                  | SDD-40/AL |                         |        |
| KEA-MT 75 - 95 |                                   |                                                  | SDD-50/AL |                         |        |



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# KEA-MT 10-95 Series

GENERATION 1

From 04/2007 to 07/2011



## DESPAC

12, 24, 36, 48 month interval

Content DESPAC: Activated carbon in 3 kg or 10 kg packs

| PMC Order No. | KEA-MT 10 | KEA-MT 15 | KEA-MT 20 | KEA-MT 25 | KEA-MT 35 | KEA-MT 45 | KEA-MT 60 | KEA-MT 75 | KEA-MT 95 |
|---------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| DESPAC3AK     |           | 1         | 2         | 1         |           | 3         | 3         | 1         |           |
| DESPAC10AK    | 1         | 1         | 1         | 2         | 3         | 3         | 5         | 6         | 8         |

## DESMIX

48 month interval

DESMIX content: Molecular sieve in 1 kg, 4 kg, 15 kg or 140 kg packs

| Model     | PMC Order-No. | Model          | PMC Order-No. |
|-----------|---------------|----------------|---------------|
| KEA-MT 10 | K-MT10DESMIX  | KEA-MT 35      | K-MT35DESMIX  |
| KEA-MT 15 | K-MT15DESMIX  | KEA-MT 45 - 60 | K-MT60DESMIX  |
| KEA-MT 20 | K-MT20DESMIX  | KEA-MT 75      | K-MT75DESMIX  |
| KEA-MT 25 | K-MT25DESMIX  | KEA-MT 95      | K-MT95DESMIX  |

## Replacement filter elements for pre- and after filters

| KEA-MT    | PMC Order-No. |                            | KEA-MT    | PMC Order-No. |                            |
|-----------|---------------|----------------------------|-----------|---------------|----------------------------|
| Model     | Filter size   | Element grade V, ZP, XP, A | Model     | Filter size   | Element grade V, ZP, XP, A |
| KEA-MT 10 | G9            | 2010_                      | KEA-MT 45 | G12           | 2030_                      |
| KEA-MT 15 | G9            | 2010_                      | KEA-MT 60 | G13           | 2050_                      |
| KEA-MT 20 | G11           | 2020_                      | KEA-MT 75 | G14           | 3050_                      |
| KEA-MT 25 | G11           | 2020_                      | KEA-MT 95 | G14           | 3050_                      |
| KEA-MT 35 | G12           | 2030_                      |           |               |                            |

The underscore\_ should be replaced by the element grade required. Example Filter G9XP containing filter-element 2010XP.

## Loose accessories

| Suitable for   | PMC Order No.  | Use                    | Suitable for   | PMC Order No.     | Use                            |
|----------------|----------------|------------------------|----------------|-------------------|--------------------------------|
| KEA-MT 10 - 95 | VASDPDP/K1-K95 | Dew-point measurement  | KEA-MT 10 - 25 | VASVPB/K10-K20/25 | Start-up device G1i            |
| KEA-MT 10 - 95 | VASMB420       | Signal doppler 4-20 mA | KEA-MT 35 - 60 | VASVPB/K25-K45/40 | Start-up device G1 1/2i        |
| KEA-MT 10 - 15 | VASFS5/K10-K15 | Fine filter silencer   | KEA-MT 75 - 95 | VASVPB/K60-K75/50 | Start-up device G2i            |
| KEA-MT 20 - 25 | VASFS5/K20-K25 | Fine filter silencer   | KEA-MT 10 - 75 | VASRGR/K10-K75    | Regeneration gas recirculation |
| KEA-MT 35 - 60 | VASFS5/K35-K60 | Fine filter silencer   | KEA-MT 95      | VASRGR/K95        | Regeneration gas recirculation |
| KEA-MT 75 - 95 | VASFS5/K75-K95 | Fine filter silencer   | KEA-MT 10 - 95 | VASNOZ/K1-K75     | Nozzle-kit                     |



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# KEA-MT 200-1400 Series



## GENERATION 0

5/2003 to 4/2007

For the maintenance of this product range, 12/36, 24 and 48 month service-kits are required, together with other components referenced below. Furthermore a 48 month maintenance interval requires an exchange of desiccant (see DESMIX). When the oil-control indicator shows that activated carbon replacement is required or at least after 12 months operation, this must be carried out. Independent of the level of discolouration in the indicator-tube (P02/ZR), the oil-control indicator must also be replaced.

### 12 and 36 month interval

Material required: Service-kit, filter elements, silencer  
 Service-kit contents: Re-set module, pilot valves  
 Options: Dew point sensor ZHM 100/450, Indicator-tube P02/ZR

| KEA-MT            | Material required - PMC Order-No. |                                                  |           | Options - PMC Order-No. |        |
|-------------------|-----------------------------------|--------------------------------------------------|-----------|-------------------------|--------|
| Model             | Service-kit                       | Filter-element                                   | Silencer  | Others                  |        |
| KEA-MT 200 - 500  | KEN-MT12A                         | See replacement filter elements on opposite page | SDD-25/AL | ZHM100/450              | P02/ZR |
| KEA-MT 600 - 1150 |                                   |                                                  | SDD-40/AL |                         |        |
| KEA-MT 1400       |                                   |                                                  | SDD-50/AL |                         |        |

### 24 and 48 month interval

Material required: Service-kit, silencer, filter elements  
 48 month interval: Additional DESMIX (see on opposite page)  
 Service-kit contents: Re-set module, wear part sets for in-/outlet valves and non-return valves, o-ring sets (in-/external) for solenoid valve block, pilot valves, solenoid coils 230V  
 Options: Dew point sensor ZHM100/450, Indicator-tube P02/ZR

| KEA-MT            | Material required - PMC Order-No. |                                                  |           | Options - PMC Order-No. |        |
|-------------------|-----------------------------------|--------------------------------------------------|-----------|-------------------------|--------|
| Model             | Service-kit                       | Filter-element                                   | Silencer  | Others                  |        |
| KEA-MT 200 - 500  | KEN-MT24A                         | See replacement filter elements on opposite page | SDD-25/AL | ZHM100/450              | P02/ZR |
| KEA-MT 600 - 1150 | KEN-MT24B                         |                                                  | SDD-40/AL |                         |        |
| KEA-MT 1400       |                                   |                                                  | SDD-50/AL |                         |        |



ENGINEERING YOUR SUCCESS.

# KEA-MT 200-1400 Series

GENERATION 0  
5/2003 to 4/2007



## DESPAC

12, 24, 36, 48 month interval

Content DESPAC: Activated carbon in 3 kg or 10 kg packs

| PMC Order No. | KEA-MT 200 | KEA-MT 300 | KEA-MT 400 | KEA-MT 500 | KEA-MT 600 | KEA-MT 800 | KEA-MT 1150 | KEA-MT 1400 |
|---------------|------------|------------|------------|------------|------------|------------|-------------|-------------|
| DESPAC3AK     | 1          | 3          | 1          | 1          | 1          | 2          | 1           | -           |
| DESPAC10AK    | 1          | 1          | 2          | 2          | 3          | 4          | 6           | 8           |

## DESMIX

48 month interval

DESMIX content: Molecular sieve in 1 kg, 4 kg, 15 kg or 140 kg packs

| Model      | PMC Order-No. | Model       | PMC Order-No. |
|------------|---------------|-------------|---------------|
| KEA-MT 200 | KEN200DESMIX  | KEA-MT 600  | KEN600DESMIX  |
| KEA-MT 300 | KEN300DESMIX  | KEA-MT 800  | KEN800DESMIX  |
| KEA-MT 400 | KEN400DESMIX  | KEA-MT 1150 | KEN1150DESMIX |
| KEA-MT 500 | KEN500DESMIX  | KEA-MT 1400 | KEN1400DESMIX |

## Replacement filter elements for pre- and after filters

| KEA-MT     | PMC Order-No. |                            | KEA-MT      | PMC Order-No. |                            |
|------------|---------------|----------------------------|-------------|---------------|----------------------------|
| Model      | Filter size   | Element grade V, ZP, XP, A | Model       | Filter size   | Element grade V, ZP, XP, A |
| KEA-MT 200 | G9            | 2010_                      | KEA-MT 600  | G12           | 2030_                      |
| KEA-MT 300 | G9            | 2010_                      | KEA-MT 800  | G12           | 2030_                      |
| KEA-MT 400 | G11           | 2020_                      | KEA-MT 1150 | G13           | 2050_                      |
| KEA-MT 500 | G11           | 2020_                      | KEA-MT 1400 | G14           | 3050_                      |

The underscore\_ should be replaced by the element grade required. Example Filter G9XP containing filter-element 2010XP.

## Loose accessories

| Suitable for     | PMC Order No.  | Use                    | Suitable for     | PMC Order No.     | Use                            |
|------------------|----------------|------------------------|------------------|-------------------|--------------------------------|
| KEA-MT 200 - 400 | VASDPD/K1-K95  | Dew-point measurement  | KEA-MT200 - 500  | VASVPB/K10-K2/25  | Start-up device G1i            |
| KEA-MT200 - 1400 | VASMB5420      | Signal doppler 4-20 mA | KEA-MT600 - 1150 | VASVPB/K25-K45/40 | Start-up device G1 1/2i        |
| KEA-MT200 - 300  | VASFS5/K10-K15 | Fine filter silencer   | KEA-MT1400       | VASVPB/K60-K75/50 | Start-up device G2i            |
| KEA-MT400 - 500  | VASFS5/K20-K25 | Fine filter silencer   | KEA-MT200 - 1150 | VASRGR/K10-K75    | Regeneration gas recirculation |
| KEA-MT600 - 1150 | VASFS5/K35-K60 | Fine filter silencer   | KEA-MT1400       | VASRGR/K95        | Regeneration gas recirculation |
| KEA-MT1400       | VASFS5/K75-K95 | Fine filter silencer   | KEA-MT200 - 1400 | VASNOZ/K1-K75     | Nozzle-kit                     |



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## Breathing Air Systems BSP-MT

BSP-MT 1-8, BS(P)-MT 1-8, BS(P) 5-115 Series



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# BSP-MT 1-8 Series

## GENERATION 3 (OIL-X filter)

### From 01/2019 to the present day

For the maintenance of this product range, 12/36, 24 and 48 month service-kits are required, together with other components referenced below. Furthermore a 48 month maintenance interval requires an exchange of adsorbent (see DESPACs).

### 12 and 36 month interval

Material required: Service-kit, DESPACs see on opposite page  
 Service-kit: Re-set module, silencer, filter-elements, perforated plate gaskets  
 Options: Dew point sensor ZHM100/450

| BSP-MT       | Material required - PMC Order-No. |  |  | Options - PMC Order-No. |  |
|--------------|-----------------------------------|--|--|-------------------------|--|
| Product Code | Service-kit                       |  |  | Others                  |  |
| BSP-MT 1 - 4 | SKK1-K4/BP3/12                    |  |  | ZHM100/450              |  |
| BSP-MT 6 - 7 | SKK6-K7/BP3/12                    |  |  |                         |  |
| BSP-MT 8     | SKK8/BP3/12                       |  |  |                         |  |

### 24 month interval

Material required: Service-kit, DESPACs see on opposite page  
 Service-kit contents: Re-set module, silencer, filter-elements, wear part sets for in-/outlet-valves  
 Options: Dew point sensor ZHM100/450

| BSP-MT       | Material required - PMC Order-No. |  |  | Options - PMC Order-No. |  |
|--------------|-----------------------------------|--|--|-------------------------|--|
| Product Code | Service-kit                       |  |  | Others                  |  |
| BSP-MT 1 - 4 | SKK1-K4/BP3/24                    |  |  | ZHM100/450              |  |
| BSP-MT 6 - 7 | SKK6-K7/BP3/24                    |  |  |                         |  |
| BSP-MT 8     | SKK8/BP3/24                       |  |  |                         |  |

### 48 month interval

Material required: Service-kit, DESPACs see on opposite page  
 Service-kit contents: Re-set module, silencer, filter-elements, perforated plates, perforated plate gaskets, solenoid coils 230V, wear part sets for in-/outlet-valves, non-return valves, 2 demister pads  
 Options: Dew point sensor ZHM100/450

| BSP-MT       | Material required - PMC Order-No. |  |  | Options - PMC Order-No. |  |
|--------------|-----------------------------------|--|--|-------------------------|--|
| Product Code | Service-kit                       |  |  | Others                  |  |
| BSP-MT 1 - 4 | SKK1-K4/BP3/48                    |  |  | ZHM100/450              |  |
| BSP-MT 6 - 7 | SKK6-K7/BP3/48                    |  |  |                         |  |
| BSP-MT 8     | SKK8/BP3/48                       |  |  |                         |  |

Options : coils only for 50Hz (398H254061)

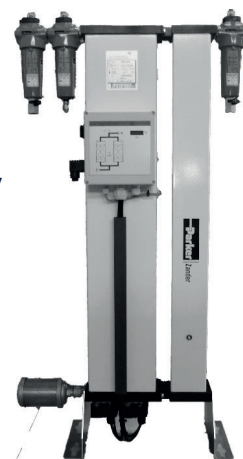


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# BSP-MT 1-8 Series

GENERATION 3 (OIL-X filter)  
From 01/2019 to the present day



## DESPACs

12, 24, 36, 48 month interval

Content DESPACs: Adsorbent packages

| Vessel                 | PMC Order-No. | BSP-MT 1 | BSP-MT 2 | BSP-MT 3 | BSP-MT 4 | BSP-MT 6 | BSP-MT 7 | BSP-MT 8 |
|------------------------|---------------|----------|----------|----------|----------|----------|----------|----------|
| Dryer<br>(Vessel 1+2)  | DESPAC2EF     | 1        | 2        | 3        | 4        | 7        | 9        | 11       |
| Purifier<br>(Vessel 3) | DESPAC3AK     | 1        | 1        | 1        | 1        | 1        | 2        | 2        |
|                        | DESPAC1KTY    | 1        | 2        | 3        | 4        | 7        | 8        |          |
|                        | DESPAC4KTY    |          |          |          |          |          |          | 1        |

Replacement filter elements for pre- and after filters (filter elements are included in the service-kit)

| BSP-MT   | PMC Order-No.        |               |                      |               |                      |               |
|----------|----------------------|---------------|----------------------|---------------|----------------------|---------------|
| Model    | UPstream<br>Filter 1 | Element grade | UPstream<br>Filter 2 | Element grade | Downstream<br>Filter | Element grade |
| BSP-MT 1 | AOPX010AGFX-BA       | P010AO        | AAPX010AGFX-BA       | P010AA        | AOPX010AGMX-BA       | P010AO        |
| BSP-MT 2 | AOPX010AGFX-BA       | P010AO        | AAPX010AGFX-BA       | P010AA        | AOPX010AGMX-BA       | P010AO        |
| BSP-MT 3 | AOPX010AGFX-BA       | P010AO        | AAPX010AGFX-BA       | P010AA        | AOPX010AGMX-BA       | P010AO        |
| BSP-MT 4 | AOPX010AGFX-BA       | P010AO        | AAPX010AGFX-BA       | P010AA        | AOPX010AGMX-BA       | P010AO        |
| BSP-MT 6 | AOPX015AGFX-BA       | P015AO        | AAPX015AGFX-BA       | P015AA        | AOPX015AGMX-BA       | P015AO        |
| BSP-MT 6 | AOPX015AGFX-BA       | P015AO        | AAPX015AGFX-BA       | P015AA        | AOPX015AGMX-BA       | P015AO        |
| BSP-MT 8 | AOPX020DGFY-BA       | P020AO        | AAPX020DGFY-BA       | P020AA        | AOPX020DGFY-BA       | P020AO        |

The code spacing\_ should contain the filter-element grade required. Example: Filter AOP010AFI containing filter-element P010AO.

## Loose accessories

| Suitable for | PMC Order-No. | Use                     | Suitable for | PMC Order-No. | Use                  |
|--------------|---------------|-------------------------|--------------|---------------|----------------------|
| BSP-MT 1 - 8 | VASRGR/K1-K8  | Balance-line            | BSP-MT 1 - 8 | VASSDD08/15   | Silencer             |
| BSP-MT 1 - 8 | VASPDY/K1-K95 | Dew point measurement   | BSP-MT 1 - 4 | VASFS3/K1-K4  | Fine filter silencer |
| BSP-MT 1 - 8 | VASMB5420     | Signal Splitter 4-20 mA | BSP-MT 6 - 8 | VASFS5/K6-K8  | Fine filter silencer |
| BSP-MT 1 - 8 | VASNOZ/K1-K95 | Nozzle-kit              |              |               |                      |



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# BSP-MT 1-8 Series

## GENERATION 2

**From 07/2011 to 12/2018**

For the maintenance of this product range, 12/36, 24 and 48 month service-kits are required, together with other components referenced below. Furthermore a 48 month maintenance interval requires an exchange of adsorbent (see DESPACs).

### 12 and 36 month interval

Material required: Service-kit, DESPACs see on opposite page  
 Service-kit: Re-set module, silencer, filter-elements, perforated plate gaskets  
 Options: Dew point sensor ZHM100/450

| BSP-MT       | Material required - PMC Order-No. |  |  | Options - PMC Order-No. |  |
|--------------|-----------------------------------|--|--|-------------------------|--|
| Product Code | Service-kit                       |  |  | Others                  |  |
| BSP-MT 1 - 4 | SKK1-K4/BP2/12                    |  |  | ZHM100/450              |  |
| BSP-MT 6 - 7 | SKK6-K7/BP2/12                    |  |  |                         |  |
| BSP-MT 8     | SKK8/BP2/12                       |  |  |                         |  |

### 24 month interval

Material required: Service-kit, DESPACs see on opposite page  
 Service-kit contents: Re-set module, silencer, filter-elements, wear part sets for in-/outlet-valves  
 Options: Dew point sensor ZHM100/450

| BSP-MT       | Material required - PMC Order-No. |  |  | Options - PMC Order-No. |  |
|--------------|-----------------------------------|--|--|-------------------------|--|
| Product Code | Service-kit                       |  |  | Others                  |  |
| BSP-MT 1 - 4 | SKK1-K4/BP2/24                    |  |  | ZHM100/450              |  |
| BSP-MT 6 - 7 | SKK6-K7/BP2/24                    |  |  |                         |  |
| BSP-MT 8     | SKK8/BP2/24                       |  |  |                         |  |

### 48 month interval

Material required: Service-kit, DESPACs see on opposite page  
 Service-kit contents: Re-set module, silencer, filter-elements, perforated plates, perforated plate gaskets, solenoid coils 230V, wear part sets for in-/outlet-valves, non-return valves, 2 demister pads  
 Options: Dew point sensor ZHM100/450

| BSP-MT       | Material required - PMC Order-No. |  |  | Options - PMC Order-No. |  |
|--------------|-----------------------------------|--|--|-------------------------|--|
| Product Code | Service-kit                       |  |  | Others                  |  |
| BSP-MT 1 - 4 | SKK1-K4/BP2/48                    |  |  | ZHM100/450              |  |
| BSP-MT 6 - 7 | SKK6-K7/BP2/48                    |  |  |                         |  |
| BSP-MT 8     | SKK8/BP2/48                       |  |  |                         |  |



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# BSP-MT 1-8 Series

GENERATION 2

From 07/2011 to 12/2018



## DESPACs

12, 24, 36, 48 month interval

Content DESPACs: Adsorbent packages

| Vessel                 | PMC Order-No. | BSP-MT 1 | BSP-MT 2 | BSP-MT 3 | BSP-MT 4 | BSP-MT 6 | BSP-MT 7 | BSP-MT 8 |
|------------------------|---------------|----------|----------|----------|----------|----------|----------|----------|
| Dryer<br>(Vessel 1+2)  | DESPAC2EF     | 1        | 2        | 3        | 4        | 7        | 9        | 11       |
| Purifier<br>(Vessel 3) | DESPAC3AK     | 1        | 1        | 1        | 1        | 1        | 2        | 2        |
|                        | DESPAC1KTY    | 1        | 2        | 3        | 4        | 7        | 8        |          |
|                        | DESPAC4KTY    |          |          |          |          |          |          | 1        |

Replacement filter elements for pre- and after filters (filter elements are included in the service-kit)

| BSP-MT   | PMC Order-No.       |                             | BSP-MT   | PMC Order-No.       |                             |
|----------|---------------------|-----------------------------|----------|---------------------|-----------------------------|
| Model    | Filter housing size | Element grade VL, ZL, XL, A | Model    | Filter housing size | Element grade VL, ZL, XL, A |
| BSP-MT 1 | GL2                 | CP1008_                     | BSP-MT 6 | GL5                 | CP2010_                     |
| BSP-MT 2 | GL2                 | CP1008_                     | BSP-MT 7 | GL5                 | CP2010_                     |
| BSP-MT 3 | GL2                 | CP1008_                     | BSP-MT 8 | GL7                 | CP2020_                     |
| BSP-MT 4 | GL2                 | CP1008_                     |          |                     |                             |

The code spacing\_ should contain the filter-element grade required. Example: Filter GL2XL containing filter-element CP1008XL.

## Loose accessories

| Suitable for | PMC Order-No.  | Use                     | Suitable for | PMC Order-No. | Use                  |
|--------------|----------------|-------------------------|--------------|---------------|----------------------|
| BSP-MT 1 - 8 | VASRGR/K1-K8   | Balance-line            | BSP-MT 1 - 8 | VASSDD08/15   | Silencer             |
| BSP-MT 1 - 8 | VASPDPA/K1-K95 | Dew point measurement   | BSP-MT 1 - 4 | VASFS3/K1-K4  | Fine filter silencer |
| BSP-MT 1 - 8 | VASMB420       | Signal Splitter 4-20 mA | BSP-MT 6 - 8 | VASFS5/K6-K8  | Fine filter silencer |
| BSP-MT 1 - 8 | VASNOZ/K1-K95  | Nozzle-kit              |              |               |                      |



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# BS(P)-MT 1-8 Series

## GENERATION 1

**From 05/2003 to 06/2011**

For the maintenance of this product range, 12/36, 24 and 48 month service-kits are required, together with other components referenced below. Furthermore a 48 month maintenance interval requires an exchange of adsorbent (see DESPACs).

### 12 and 36 month interval

Material required: Service-kit, perforated plate gaskets (RKKMT und RKA), filter elements, silencer, DESPACs see opposite page

Service-kit contents: Re-set module  
 Service-kit RKA: 2x perforated plate gaskets single profile  
 Service-kit RKKMT: 2x perforated plate gaskets double profile  
 Options: Dew point sensor ZHM 100/450

| BS(P)-MT       | Material required - PMC Order-No. |           |                                                        | Options - PMC Order-No. |            |  |
|----------------|-----------------------------------|-----------|--------------------------------------------------------|-------------------------|------------|--|
| Model          | Service-kit                       |           | Filter-element                                         | Silencer                | Others     |  |
| BS(P)-MT 1 - 4 | K-MT12A                           | RKA1-A4   | See replacement<br>filter elements on<br>opposite page | VASSDD08/15             | ZHM100/450 |  |
|                |                                   | RKKMT1-K4 |                                                        |                         |            |  |
| BS(P)-MT 6 - 8 |                                   | RKA6-A8   |                                                        |                         |            |  |
|                |                                   | RKKMT6-K8 |                                                        |                         |            |  |

### 24 month interval

Material required: Service-kit, perforated plate gaskets (RKKMT und RKA), filter elements, silencer, DESPACs see opposite page

Service-kit contents: Re-set module, wear part sets for in-/outlet-valves  
 Service-kit RKA: 2x perforated plate gaskets single profile  
 Service-kit RKKMT: 2x perforated plate gaskets double profile  
 Options: Dew point sensor ZHM 100/450

| BS(P)-MT       | Material required - PMC Order-No. |           |                                                        | Options - PMC Order-No. |            |  |
|----------------|-----------------------------------|-----------|--------------------------------------------------------|-------------------------|------------|--|
| Model          | Service-kit                       |           | Filter-element                                         | Silencer                | Others     |  |
| BS(P)-MT 1 - 4 | K-MT24A                           | RKA1-A4   | See replacement<br>filter elements on<br>opposite page | VASSDD08/15             | ZHM100/450 |  |
|                |                                   | RKKMT1-K4 |                                                        |                         |            |  |
| BS(P)-MT 6 - 8 |                                   | RKA6-A8   |                                                        |                         |            |  |
|                |                                   | RKKMT6-K8 |                                                        |                         |            |  |

### 48 month interval

Material required: Service-kit, perforated plate gaskets (RKA) silencers, filter elements, DESPACs see opposite page  
 Service-kit contents: Re-set module, wear part set for in- and outlet-valves  
 Service-kit contents RKA: Filter elements for after-filter, 2 x perforated plate gaskets with foamed seals  
 Options: Dew-point sensor ZHM100/450, indicator-tube P02/ZR

| BS(P)-MT       | Material required - PMC Order-No. |         |                                                  | Options - PMC Order-No. |            |
|----------------|-----------------------------------|---------|--------------------------------------------------|-------------------------|------------|
| Model          | Service-kit                       |         | Filter-element                                   | Silencer                | Others     |
| BS(P)-MT 1 - 4 | K-MT48A                           | RKA1-A4 | See replacement filter elements on opposite page | VASSDD08/15             | ZHM100/450 |
| BS(P)-MT 6 - 8 | K-MT48B                           | RKA6-A8 |                                                  |                         |            |



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# BS(P)-MT 1-8 Series

GENERATION 1

From 05/2003 to 06/2011



## DESPACs

12, 24, 36, 48 month interval

Content DESPACs: Adsorbent packages

| Vessel                 | PMC Order-No. | BS(P)-MT 1 | BS(P)-MT 2 | BS(P)-MT 3 | BS(P)-MT 4 | BS(P)-MT 6 | BS(P)-MT 7 | BS(P)-MT 8 |
|------------------------|---------------|------------|------------|------------|------------|------------|------------|------------|
| Dryer<br>(Vessel 1+2)  | DESPAC2EF     | 1          | 2          | 3          | 4          | 7          | 9          | 11         |
| Purifier<br>(Vessel 3) | DESPAC3AK     | 1          | 1          | 1          | 1          | 1          | 2          | 2          |
|                        | DESPAC1KTY    | 1          | 2          | 3          | 4          | 7          | 8          |            |
|                        | DESPAC4KTY    |            |            |            |            |            |            | 1          |

## Replacement filter elements for pre- and after filters

| K-MT         | PMC Order-No.       |                             | K-MT         | PMC Order-No.       |                             |
|--------------|---------------------|-----------------------------|--------------|---------------------|-----------------------------|
| Product code | Filter housing size | Element grade VL, ZL, XL, A | Product code | Filter housing size | Element grade VL, ZL, XL, A |
| BS(P)-MT 1   | G2                  | 1030_                       | BS(P)-MT 6   | G5                  | 1070_                       |
| BS(P)-MT 2   | G2                  | 1030_                       | BS(P)-MT 7   | G5                  | 1070_                       |
| BS(P)-MT 3   | G2                  | 1030_                       | BS(P)-MT 8   | G7                  | 1140_                       |
| BS(P)-MT 4   | G2                  | 1030_                       |              |                     |                             |

The code spacing\_ should contain the filter-element grade required. Example: Filter G2XP containing filter element 1030XP

BS-MT: an XP-grade pre-filter element and a V-grade after-filter element are standard.

BSP-MT: an ZP-grade pre-filter element and a XP-grade element as well as the V-grade after-filter element are standard.

## Loose accessories

| Suitable for   | PMC Order-No.  | Use                     | Suitable for   | PMC Order-No. | Use                  |
|----------------|----------------|-------------------------|----------------|---------------|----------------------|
| BS(P)-MT 1 - 8 | VASRGR/K1-K8   | Balance-line            | BS(P)-MT 1 - 8 | VASSDD08/15   | Silencer             |
| BS(P)-MT 1 - 8 | VASPDPA/K1-K95 | Dew point measurement   | BS(P)-MT 1 - 4 | VASFS3/K1-K4  | Fine filter silencer |
| BS(P)-MT 1 - 8 | VASMB420       | Signal Splitter 4-20 mA | BS(P)-MT 6 - 8 | VASFS5/K6-K8  | Fine filter silencer |
| BS(P)-MT 1 - 8 | VASNOZ/K1-K95  | Nozzle-kit              |                |               |                      |



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# BS(P) 5-115 Series

## GENERATION 0

Up to mid. 2003

Generation 0 dryers should be updated once to the latest technical specification using the following retrofit kits

For the maintenance of the updated series, 12/36, 24 and 48 month service-kits are required, together with other components referenced below. Furthermore a 48 month maintenance interval requires an exchange of adsorbent (see DESPACs).

### Update-kit

| Suitable for   | PMC Order-No. | Replaceable contents                                       |
|----------------|---------------|------------------------------------------------------------|
| BS(P) 5 - 35   | UKKM5-35      | Solenoid valve plate incl. seals + cable + socket-coupling |
| BS(P) 5 - 35   | UKKM5-35/RV   | Non-return valve plate incl. seals                         |
| BS(P) 75 - 115 | UKKM75-115    | Solenoid valve plate incl. seals + cable + socket-coupling |
| BS(P) 75 - 115 | UKKM75-115/RV | Non-return valve plate incl. seals                         |

### Update-kit Multitronic

| Suitable for  | PMC Order-No. | Replaceable contents                             |
|---------------|---------------|--------------------------------------------------|
| BS(P) 5 - 115 | UKMT-230-ZHM  | Multitronic + cable + ZHM100 + measuring chamber |
| BS(P) 5 - 115 | UKMT-230      | Multitronic + cable                              |

After the conversion of the current control Multitronic every 12 month is the following service kit required

|               |         |             |
|---------------|---------|-------------|
| BS(P) 5 - 115 | K-MT12A | Reset-modul |
|---------------|---------|-------------|

### 12, 24 and 36 month interval

Material required: Service-kit, silencer, perforated plate gaskets, filter-elements, DESPACs see on opposite page  
 Service-kit contents: wear part sets for in-/outlet-valves  
 AKMKIT contents: 2x perforated plate gaskets single profile  
 Options: Dew point sensor)

| BS(P)          | Material required - PMC Order-No. |     |                |             | Options - PMC Order-No. |  |
|----------------|-----------------------------------|-----|----------------|-------------|-------------------------|--|
| Product Code   | Service-kit                       |     | Filter-element | Silencer    | Others                  |  |
| BS(P) 5 - 35   | KM24A-UG                          | 3 X | RKA1-A4        | VASSDD08/15 | ZHM100/450*             |  |
| BS(P) 75 - 115 |                                   | 3 X | AKMKIT2        |             |                         |  |

\* Dew-point sensor can vary in type: Please provide the construction number of the dryer when making an enquiry.



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# BS(P) 5-115 Series

**GENERATION 0**  
**Up to mid. 2003**



## 48 month interval

Material required: Service-kit, perforated plate gaskets, filter elements, silencer, DESPACs see below  
 Service-kit Contents: 4 x perforated plate gaskets single profile, solenoid coils 230V, wear part sets for in-/outlet-valves, re-set module, non-return valves  
 AKMKIT Contents: 2 x perforated plate gaskets single profile  
 Options: Dew point sensor

| BS(P)          | Material required - PMC Order-No. |    |         |                                                  | Options     |             |
|----------------|-----------------------------------|----|---------|--------------------------------------------------|-------------|-------------|
| Model          | Service-kit                       |    |         | Filter-element                                   | Silencer    | Others      |
| BS(P) 5 - 35   | KM48A-UG                          | 1x | RKA1-A4 | See replacement filter elements on opposite page | VASSDD08/15 | ZHM100/450* |
| BS(P) 75 - 115 | KM48B-UG                          | 1x | AKMKIT2 |                                                  |             |             |

\* Dew-point sensor can vary in type: Please provide the construction number of the dryer when making an enquiry.

## DESPACs

### 12, 24, 36, 48 month interval

#### Content DESPACs: Adsorbent packages

| Vessel                 | PMC Order-No. | BS(P) 5 | BS(P) 10 | BS(P) 25 | BS(P) 35 | BS(P) 75 | BS(P) 95 | BS(P) 115 |
|------------------------|---------------|---------|----------|----------|----------|----------|----------|-----------|
| Dryer<br>(Vessel 1+2)  | DESPAC2EF     | 1       | 2        | 3        | 4        | 1        |          | 1         |
|                        | DESPAC6EF     |         |          |          |          | 2        | 3        |           |
|                        | DESPAC20EF    |         |          |          |          |          |          | 1         |
| Purifier<br>(Vessel 3) | DESPAC3AK     | 1       | 1        | 1        | 1        | 1        | 2        | 2         |
|                        | DESPAC1KTY    | 1       | 2        | 3        | 4        | 7        | 9        | 1         |
|                        | DESPAC4KTY    |         |          |          |          |          |          | 1         |

## Replacement filter elements for pre- and after filters

| BS(P)    | PMC Order-No.       |                             | BS(P)     | PMC Order-No.       |                             |
|----------|---------------------|-----------------------------|-----------|---------------------|-----------------------------|
| Model    | Filter housing size | Element grade VL, ZL, XL, A | Model     | Filter housing size | Element grade VL, ZL, XL, A |
| BS(P) 5  | G2                  | 1030_                       | BS(P) 75  | G5                  | 1070_                       |
| BS(P) 10 | G2                  | 1030_                       | BS(P) 95  | G5                  | 1070_                       |
| BS(P) 25 | G2                  | 1030_                       | BS(P) 115 | G7                  | 1140_                       |
| BS(P) 35 | G2                  | 1030_                       |           |                     |                             |

The code spacing\_ should contain the filter-element grade required. Example: Filter G2XP containing filter element 1030XP.

BS: an XP-grade pre-filter element and a ZP-grade after-filter element are standard.

BSP: an ZP-grade pre-filter element and a XP-grade element as well as the ZP-grade after-filter element are already included in the service-kit as standard.



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## **Breathing Air Systems BSP-MT**

BSP-MT 10-95, BS(P)-MT 10-95,  
BS(P)-MT 200-1400, BS(P) 200-1400 Series



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# BSP-MT 10-95 Series

## GENERATION 3 (OIL-X filter)

### From 01/2019 to the present day

Service Kits for 12/36, 24/48 months are required for servicing this series, along with other components as stated. In addition, it is necessary to replace the adsorbent (see DESPACs) every 12 months.

### 12 and 36 month interval

Material required: Service-kit, DESPACs see on opposite page  
 Service-kit contents: Re-set module, silencers, filter-elements, pilot valves  
 Options: Dew-point sensor ZHM100/450

| BSP-MT         | Material required - PMC Order-No. |               |  | Options - PMC Order-No. |  |
|----------------|-----------------------------------|---------------|--|-------------------------|--|
| Model          | Service-kit                       | Mains voltage |  | Others                  |  |
| BSP-MT 10 - 20 | SKK10-K20/BP3/12                  | 115V, 230V    |  | ZHM100/450              |  |
| BSP-MT 25      | SKK25/BP3/12                      | 115V, 230V    |  |                         |  |
| BSP-MT 35      | SKK35/BP3/12                      | 115V, 230V    |  |                         |  |
| BSP-MT 45      | SKK45/BP3/12                      | 115V, 230V    |  |                         |  |
| BSP-MT 60 - 75 | SKK60-K75/BP3/12                  | 115V, 230V    |  |                         |  |
| BSP-MT 95      | SKK95/BP3/12                      | 115V, 230V    |  |                         |  |

### 24 and 48 month interval

Materials Required: Service Kit,  
 Service-kit contents: Re-set module, silencer, filter elements, wear part set for in- and outlet-valves, non-return-valves, solenoid coils 230V, O-ring sets (internal/external) for solenoid valve block  
 Options: Dew-point sensor ZHM100/450

| BSP-MT         | Material required - PMC Order-No. |               |  | Options - PMC Order-No. |  |
|----------------|-----------------------------------|---------------|--|-------------------------|--|
| Model          | Service-kit                       | Mains voltage |  | Others                  |  |
| BSP-MT 10 - 20 | SKK10-K20/BP3/24/115              | 115V          |  | ZHM100/450              |  |
|                | SKK10-K20/BP3/24                  | 230V          |  |                         |  |
| BSP-MT 25      | SKK25/BP3/24/115                  | 115V          |  |                         |  |
|                | SKK25/BP3/24                      | 230V          |  |                         |  |
| BSP-MT 35      | SKK35/BP3/24/115                  | 115V          |  |                         |  |
|                | SKK35/BP3/24                      | 230V          |  |                         |  |
| BSP-MT 45      | SKK45/BP3/24/115                  | 115V          |  |                         |  |
|                | SKK45/BP3/24                      | 230V          |  |                         |  |
| BSP-MT 60 - 75 | SKK60-K75/BP3/24/115              | 115V          |  |                         |  |
|                | SKK60-K75/BP3/24                  | 230V          |  |                         |  |
| BSP-MT 95      | SKK95/BP3/24/115                  | 115V          |  |                         |  |
|                | SKK95/BP3/24                      | 230V          |  |                         |  |

Options : coils only for 50Hz (398H254061)



ENGINEERING YOUR SUCCESS.

# BSP-MT 10-95 Series

GENERATION 3 (OIL-X filter)

From 01/2019 to the present day



## DESPACs

12, 24, 36, 48 month interval

Content DESPACs: Adsorbent packages

| Vessel                | PMC Order-No. | BSP-MT 10 | BSP-MT 15 | BSP-MT 20 | BSP-MT 25 | BSP-MT 35 | BSP-MT 45 | BSP-MT 60 | BSP-MT 75 | BSP-MT 95 |
|-----------------------|---------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Dryer<br>(Vessel 1+2) | DESPAC6EF     | 2         |           | 1         |           |           |           |           |           |           |
|                       | DESPAC20EF    | 1         | 2         | 2         | 3         | 4         | 5         | 7         | 9         | 12        |
| Cleaner<br>(Vessel 3) | DESPAC3AK     | 2         | 3         |           | 1         | 2         |           | 2         |           |           |
|                       | DESPAC10AK    |           |           | 1         | 1         | 1         | 2         | 2         | 4         | 5         |
|                       | DESPAC4KTY    | 2         | 2         | 3         | 4         | 6         | 7         | 10        | 14        | 18        |
| 0.4 kg                | DESPAC1KTY    | 1         | 7         | 4         | 5         | -         | 5         | 2         | 2         | -         |

Replacement filter elements for pre- and after filters (filter elements are included in the service-kit)

| BSP-MT    | PMC Order-No.     |               |                   |               |                   |               |
|-----------|-------------------|---------------|-------------------|---------------|-------------------|---------------|
| Model     | UPstream Filter 1 | Element grade | UPstream Filter 2 | Element grade | Downstream Filter | Element grade |
| BSP-MT 10 | AOPX025EGFX-BA    | P025AO        | AAPX025EGFX-BA    | P025AA        | AOPX025EGMX-BA    | P025AO        |
| BSP-MT 15 | AOPX025EGFX-BA    | P025AO        | AAPX025EGFX-BA    | P025AA        | AOPX025EGMX-BA    | P025AO        |
| BSP-MT 20 | AOPX025EGFX-BA    | P025AO        | AAPX025EGFX-BA    | P025AA        | AOPX025EGMX-BA    | P025AO        |
| BSP-MT 25 | AOPX030GGFX-BA    | P030AO        | AAPX030GGFX-BA    | P030AA        | AOPX030GGMX-BA    | P030AO        |
| BSP-MT 35 | AOPX030GGFX-BA    | P030AO        | AAPX030GGFX-BA    | P030AA        | AOPX030GGMX-BA    | P030AO        |
| BSP-MT 45 | AOPX035GGFX-BA    | P035AO        | AAPX035GGFX-BA    | P035AA        | AOPX035GGMX-BA    | P035AO        |
| BSP-MT 60 | AOPX040HGFX-BA    | P040AO        | AAPX040HGFX-BA    | P040AA        | AOPX040HGMX-BA    | P040AO        |
| BSP-MT 75 | AOPX040HGFX-BA    | P040AO        | AAPX040HGFX-BA    | P040AA        | AOPX040HGMX-BA    | P040AO        |
| BSP-MT 95 | AOPX045IGFX-BA    | P045AO        | AAPX045IGFX-BA    | P045AA        | AOPX045IGMX-BA    | P045AO        |

The underscore\_ should be replaced by the element grade required. Example Filter AOP035GGFX containing filter-element P035AO.

## Loose accessories

| Suitable for   | PMC Order No.  | Use                    | Suitable for   | PMC Order No.     | Use                            |
|----------------|----------------|------------------------|----------------|-------------------|--------------------------------|
| BSP-MT 10 - 95 | VASDPD/K1-K95  | Dewpoint Measurement   | BSP-MT 10 - 20 | VASVPB/K10-K20/25 | Start-up device G1i            |
| BSP-MT 10 - 95 | VASMB5420      | Signal doppler 4-20 mA | BSP-MT 25 - 45 | VASVPB/K25-K45/40 | Start-up device G1 1/2i        |
| BSP-MT 10 - 15 | VASF55/K10-K15 | Fine filter silencer   | BSP-MT 60 - 75 | VASVPB/K60-K75/50 | Start-up device G2i            |
| BSP-MT 20 - 25 | VASF55/K20-K25 | Fine filter silencer   | BSP-MT 10 - 75 | VASRGR/K10-K75    | Regeneration gas recirculation |
| BSP-MT 35 - 60 | VASF55/K35-K60 | Fine filter silencer   | BSP-MT 95      | VASRGR/K95        | Regeneration gas recirculation |
| BSP-MT 75 - 95 | VASF55/K75-K95 | Fine filter silencer   |                |                   |                                |



ENGINEERING YOUR SUCCESS.

# BSP-MT 10-95 Series



## GENERATION 2

**From 07/2011 to 12/2018**

Service Kits for 12/36, 24/48 months are required for servicing this series, along with other components as stated. In addition, it is necessary to replace the adsorbent (see DESPACs) every 12 months.

### 12 and 36 month interval

Material required: Service-kit, DESPACs see on opposite page  
 Service-kit contents: Re-set module, silencers, filter-elements, pilot valves  
 Options: Dew-point sensor ZHM100/450

| BSP-MT         | Material required - PMC Order-No. |  |  | Options - PMC Order-No. |  |
|----------------|-----------------------------------|--|--|-------------------------|--|
| Model          | Service-kit                       |  |  | Others                  |  |
| BSP-MT 10 - 20 | SKK10-K20/BP2/12                  |  |  | ZHM100/450              |  |
| BSP-MT 25      | SKK25/BP2/12                      |  |  |                         |  |
| BSP-MT 35      | SKK35/BP2/12                      |  |  |                         |  |
| BSP-MT 45      | SKK45/BP2/12                      |  |  |                         |  |
| BSP-MT 60 - 75 | SKK60-K75/BP2/12                  |  |  |                         |  |
| BSP-MT 95      | SKK95/BP2/12                      |  |  |                         |  |

### 24 and 48 month interval

Materials Required: Service Kit,  
 Service-kit contents: Re-set module, silencer, filter elements, wear part set for in- and outlet-valves, non-return-valves, solenoid coils 230V, O-ring sets (internal/external) for solenoid valve block  
 Options: Dew-point sensor ZHM100/450

| BSP-MT         | Material required - PMC Order-No. |  |  | Options - PMC Order-No. |  |
|----------------|-----------------------------------|--|--|-------------------------|--|
| Model          | Service-kit                       |  |  | Others                  |  |
| BSP-MT 10 - 20 | SKK10-K20/BP2/24                  |  |  | ZHM100/450              |  |
| BSP-MT 25      | SKK25/BP2/24                      |  |  |                         |  |
| BSP-MT 35      | SKK35/BP2/24                      |  |  |                         |  |
| BSP-MT 45      | SKK45/BP2/24                      |  |  |                         |  |
| BSP-MT 60 - 75 | SKK60-K75/BP2/24                  |  |  |                         |  |
| BSP-MT 95      | SKK95/BP2/24                      |  |  |                         |  |



ENGINEERING YOUR SUCCESS.

# BSP-MT 10-95 Series

GENERATION 2

From 07/2011 to 12/2018



## DESPACs

12, 24, 36, 48 month interval

Content DESPACs: Adsorbent packages

| Vessel             | PMC Order-No. | BSP-MT 10 | BSP-MT 15 | BSP-MT 20 | BSP-MT 25 | BSP-MT 35 | BSP-MT 45 | BSP-MT 60 | BSP-MT 75 | BSP-MT 95 |
|--------------------|---------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Dryer (Vessel 1+2) | DESPAC6EF     | 2         |           | 1         |           |           |           |           |           |           |
|                    | DESPAC20EF    | 1         | 2         | 2         | 3         | 4         | 5         | 7         | 9         | 12        |
| Cleaner (Vessel 3) | DESPAC3AK     | 2         | 3         |           | 1         | 2         |           | 2         |           |           |
|                    | DESPAC10AK    |           |           | 1         | 1         | 1         | 2         | 2         | 4         | 5         |
|                    | DESPAC4KTY    | 2         | 2         | 3         | 4         | 6         | 7         | 10        | 14        | 18        |
| 0.4 kg             | DESPAC1KTY    | 1         | 7         | 4         | 5         | -         | 5         | 2         | 2         | -         |

Replacement filter elements for pre- and after filters (filter elements are included in the service-kit)

| BSP-MT    | PMC Order-No. |                             | BSP-MT    | PMC Order-No. |                             |
|-----------|---------------|-----------------------------|-----------|---------------|-----------------------------|
| Model     | Filter size   | Element grade VL, ZL, XL, A | Model     | Filter size   | Element grade VL, ZL, XL, A |
| BSP-MT 10 | GL9           | CP3025_                     | BSP-MT 45 | GL12          | CP4040_                     |
| BSP-MT 15 | GL9           | CP3025_                     | BSP-MT 60 | GL13          | CP4050_                     |
| BSP-MT 20 | GL9           | CP3025_                     | BSP-MT 75 | GL13          | CP4050_                     |
| BSP-MT 25 | GL11          | CP3040_                     | BSP-MT 95 | GL14          | CP4065_                     |
| BSP-MT 35 | GL11          | CP3040_                     |           |               |                             |

The underscore\_ should be replaced by the element grade required. Example Filter GL9XL containing filter-element CP3025XL.

## Loose accessories

| Suitable for   | PMC Order No.  | Use                    | Suitable for   | PMC Order No.     | Use                            |
|----------------|----------------|------------------------|----------------|-------------------|--------------------------------|
| BSP-MT 10 - 95 | VASDPD/K1-K95  | Dewpoint Measurement   | BSP-MT 10 - 20 | VASVPB/K10-K20/25 | Start-up device G1i            |
| BSP-MT 10 - 95 | VASMBS420      | Signal doppler 4-20 mA | BSP-MT 25 - 45 | VASVPB/K25-K45/40 | Start-up device G1 1/2i        |
| BSP-MT 10 - 15 | VASFS5/K10-K15 | Fine filter silencer   | BSP-MT 60 - 75 | VASVPB/K60-K75/50 | Start-up device G2i            |
| BSP-MT 20 - 25 | VASFS5/K20-K25 | Fine filter silencer   | BSP-MT 10 - 75 | VASRGR/K10-K75    | Regeneration gas recirculation |
| BSP-MT 35 - 60 | VASFS5/K35-K60 | Fine filter silencer   | BSP-MT 95      | VASRGR/K95        | Regeneration gas recirculation |
| BSP-MT 75 - 95 | VASFS5/K75-K95 | Fine filter silencer   |                |                   |                                |



ENGINEERING YOUR SUCCESS.



# BS(P)-MT 10-95 Series

## GENERATION 1

from 04/2007 to 07/2011

Service Kits for 12/36, 24, and 48 months are required for servicing this series, along with other components as stated. For air systems, it is recommended that the desiccant be replaced annually and the cleaning material for the 3rd stage be replaced every six months.

### 12 and 36 month interval

Material required: Service-kit, DESPACs see on opposite page  
 Service-kit contents: Re-set module, silencers, filter-elements, pilot valves  
 Options: Dew-point sensor ZHM100/450

| BS(P)-MT         | Material required - PMC Order-No. |                                                  |           | Options - PMC Order-No. |  |
|------------------|-----------------------------------|--------------------------------------------------|-----------|-------------------------|--|
| Model            | Service-kit                       | Filter-element                                   | Silencer  | Others                  |  |
| BS(P)-MT 10 - 25 | KE-MT12A                          | See replacement filter elements on opposite page | SDD-25/AL | ZHM100/450              |  |
| BS(P)-MT 35 - 60 |                                   |                                                  | SDD-40/AL |                         |  |
| BS(P)-MT 75 - 95 |                                   |                                                  | SDD-50/AL |                         |  |

### 24 and 48 month interval

Material required: Service-kit, silencer, filter-elements, DESPAC (see on opposite page)  
 Service-kit contents: Re-set module, wear part set for in- and outlet-valves, non-return-valves, O-ring sets (internal/external) MV block, pilot valves, solenoid coils 230V  
 Options: Dew-point sensor ZHM100/450

| BS(P)-MT         | Material required - PMC Order-No. |                                                  |           | Options - PMC Order-No. |  |
|------------------|-----------------------------------|--------------------------------------------------|-----------|-------------------------|--|
| Model            | Service-kit                       | Filter-element                                   | Silencer  | Others                  |  |
| BS(P)-MT 10 - 25 | KE-MT24A                          | See replacement filter elements on opposite page | SDD-25/AL | ZHM100/450              |  |
| BS(P)-MT 35 - 60 | KE-MT24B                          |                                                  | SDD-40/AL |                         |  |
| BS(P)-MT 75 - 95 |                                   |                                                  | SDD-50/AL |                         |  |



ENGINEERING YOUR SUCCESS.

# BS(P)-MT 10-95 Series

GENERATION 1

from 04/2007 to 07/2011



## DESPACs

12, 24, 36, 48 month interval

Content DESPACs: Adsorbent packages

| Vessel             | PMC Order-No. | BS(P)-MT 10 | BS(P)-MT 15 | BS(P)-MT 20 | BS(P)-MT 25 | BS(P)-MT 35 | BS(P)-MT 45 | BS(P)-MT 60 | BS(P)-MT 75 | BS(P)-MT 95 |
|--------------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Dryer (Vessel 1+2) | DESPAC6EF     | 2           |             | 1           |             |             |             |             |             |             |
|                    | DESPAC20EF    | 1           | 2           | 2           | 3           | 4           | 5           | 7           | 9           | 12          |
| Cleaner (Vessel 3) | DESPAC3AK     | 2           | 3           |             | 1           | 2           |             | 2           |             |             |
|                    | DESPAC10AK    |             |             | 1           | 1           | 1           | 2           | 2           | 4           | 5           |
|                    | DESPAC4KTY    | 2           | 2           | 3           | 4           | 6           | 7           | 10          | 14          | 18          |

## Replacement filter elements for pre- and after filters

| BS(P)-MT    | PMC Order-No. |                            | BS(P)-MT    | PMC Order-No. |                            |
|-------------|---------------|----------------------------|-------------|---------------|----------------------------|
| Model       | Filter size   | Element grade V, ZP, XP, A | Model       | Filter size   | Element grade V, ZP, XP, A |
| BS(P)-MT 10 | G9            | 2010_                      | BS(P)-MT 45 | G12           | 2030_                      |
| BS(P)-MT 15 | G9            | 2010_                      | BS(P)-MT 60 | G13           | 2050_                      |
| BS(P)-MT 20 | G11           | 2020_                      | BS(P)-MT 75 | G14           | 3050_                      |
| BS(P)-MT 25 | G11           | 2020_                      | BS(P)-MT 95 | G14           | 3050_                      |
| BS(P)-MT 35 | G12           | 2030_                      |             |               |                            |

The underscore \_ must be replaced by the element type. Example: Filter G9XP with filter element 2010XP

For the BS-MT series, the XP type prefilter element and the V type postfilter element are used as standard. For the BSP-MT series, the ZP and XP type prefilter and the ZL type postfilter element is used.

## Loose accessories

| Suitable for     | PMC Order No.  | Use                    | Suitable for     | PMC Order No.     | Use                            |
|------------------|----------------|------------------------|------------------|-------------------|--------------------------------|
| BS(P)-MT 10 - 95 | VASDPD/K1-K95  | Dewpoint Measurement   | BS(P)-MT 10 - 25 | VASVPB/K10-K20/25 | Start-up device G1i            |
| BS(P)-MT 10 - 95 | VASMBS420      | Signal doppler 4-20 mA | BS(P)-MT 35 - 60 | VASVPB/K25-K45/40 | Start-up device G1 1/2i        |
| BS(P)-MT 10 - 15 | VASF5S/K10-K15 | Fine filter silencer   | BS(P)-MT 75 - 95 | VASVPB/K60-K75/50 | Start-up device G2i            |
| BS(P)-MT 20 - 25 | VASF5S/K20-K25 | Fine filter silencer   | BS(P)-MT 10 - 75 | VASRGR/K10-K75    | Regeneration gas recirculation |
| BS(P)-MT 35 - 60 | VASF5S/K35-K60 | Fine filter silencer   | BS(P)-MT 95      | VASRGR/K 95       | Regeneration gas recirculation |
| BS(P)-MT 75 - 95 | VASF5S/K75-K95 | Fine filter silencer   |                  |                   |                                |



ENGINEERING YOUR SUCCESS.



# BS(P)-MT 200-1400 Series

## GENERATION 0

from 04/2005 to 04/2007

Service Kits for 12/36, 24, and 48 months are required for servicing this series, along with other components as stated. For air systems, it is recommended that the desiccant be replaced annually and the cleaning material for the 3rd stage be replaced every six months.

### 12 and 36 month interval

Material required: Service-kit, DESPACs see on opposite page  
 Service-kit contents: Re-set module, silencers, filter-elements, pilot valves  
 Options: Dew-point sensor ZHM100/450

| BS(P)-MT            | Material required - PMC Order-No. |                                                  |           | Options - PMC Order-No. |  |
|---------------------|-----------------------------------|--------------------------------------------------|-----------|-------------------------|--|
| Model               | Service-kit                       | Filter-element                                   | Silencer  | Others                  |  |
| BS(P)-MT 200 - 500  | KE-MT12A                          | See replacement filter elements on opposite page | SDD-25/AL | ZHM100/450              |  |
| BS(P)-MT 600 - 1150 |                                   |                                                  | SDD-40/AL |                         |  |
| BS(P)-MT 1400       |                                   |                                                  | SDD-50/AL |                         |  |

### 24 and 48 month interval

Material required: Service-kit, silencer, filter-elements, DESPAC (see on opposite page)  
 Service-kit contents: Re-set module, wear part set for in- and outlet-valves, non-return-valves, O-ring sets (internal/external) MV block, pilot valves, solenoid coils 230V  
 Options: Dew-point sensor ZHM100/450

| BS(P)-MT            | Material required - PMC Order-No. |                                                  |           | Options - PMC Order-No. |  |
|---------------------|-----------------------------------|--------------------------------------------------|-----------|-------------------------|--|
| Model               | Service-kit                       | Filter-element                                   | Silencer  | Others                  |  |
| BS(P)-MT 200 - 500  | KE-MT24A                          | See replacement filter elements on opposite page | SDD-25/AL | ZHM100/450              |  |
| BS(P)-MT 600 - 1150 | KE-MT24B                          |                                                  | SDD-40/AL |                         |  |
| BS(P)-MT 1400       |                                   |                                                  | SDD-50/AL |                         |  |



ENGINEERING YOUR SUCCESS.

# BS(P)-MT 200-1400 Series

GENERATION 0  
from 04/2005 to 04/2007



## DESPACs

12, 24, 36, 48 month interval

Content DESPACs: Adsorbent packages

| Vessel                | PMC Order-No. | BS(P)-MT 200 | BS(P)-MT 300 | BS(P)-MT 400 | BS(P)-MT 500 | BS(P)-MT 600 | BS(P)-MT 800 | BS(P)-MT 1150 | BS(P)-MT 1400 |
|-----------------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|---------------|
| Dryer<br>(Vessel 1+2) | DESPAC6EF     | 3            | 2            | 1            | 2            |              |              |               |               |
|                       | DESPAC20EF    | 1            | 2            | 3            | 4            | 5            | 8            | 10            | 12            |
| Cleaner<br>(Vessel 3) | DESPAC3AK     | 3            |              | 2            |              | 1            | 2            | 1             | 1             |
|                       | DESPAC10AK    |              | 1            | 1            | 2            | 2            | 3            | 4             | 5             |
|                       | DESPAC1KTY    | 7            | 4            | 1            | 4            |              |              | 4             | 1             |
|                       | DESPAC4KTY    | 1            | 2            | 3            | 4            | 5            | 8            | 9             | 12            |

## Replacement filter elements for pre- and after filters

| BS(P)-MT     | PMC Order-No. |                            | BS(P)-MT      | PMC Order-No. |                            |
|--------------|---------------|----------------------------|---------------|---------------|----------------------------|
| Model        | Filter size   | Element grade V, ZP, XP, A | Model         | Filter size   | Element grade V, ZP, XP, A |
| BS(P)-MT 200 | G9            | 2010_                      | BS(P)-MT 600  | G12           | 2030_                      |
| BS(P)-MT 300 | G9            | 2010_                      | BS(P)-MT 800  | G12           | 2030_                      |
| BS(P)-MT 400 | G11           | 2020_                      | BS(P)-MT 1150 | G13           | 2050_                      |
| BS(P)-MT 500 | G11           | 2020_                      | BS(P)-MT 1400 | G14           | 3050_                      |

The underscore \_ must be replaced by the element type. Example: Filter G9XP with filter element 2010XP

For the BS-MT series, the XP type prefilter element and the V type postfilter element are used as standard. For the BSP-MT series, the ZP and XP type prefilter and ZL type postfilter elements are used.

## Loose accessories

| Suitable for        | PMC Order No.  | Use                    | Suitable for        | PMC Order No.     | Use                            |
|---------------------|----------------|------------------------|---------------------|-------------------|--------------------------------|
| BS(P)-MT 200 - 400  | VASDPD/K1-K95  | Dewpoint Measurement   | BS(P)-MT 200 - 500  | VASVPB/K10-K2/25  | Start-up device G1i            |
| BS(P)-MT 200 - 1400 | VASMB5420      | Signal doppler 4-20 mA | BS(P)-MT 600 - 1150 | VASVPB/K25-K45/40 | Start-up device G1 1/2i        |
| BS(P)-MT 200 - 300  | VASFS5/K10-K15 | Fine filter silencer   | BS(P)-MT 1400       | VASVPB/K60-K75/50 | Start-up device G2i            |
| BS(P)-MT 400 - 500  | VASFS5/K20-K25 | Fine filter silencer   | BS(P)-MT 200 - 1150 | VASRGR/K10-K75    | Regeneration gas recirculation |
| BS(P)-MT 600 - 1150 | VASFS5/K35-K60 | Fine filter silencer   | BS(P)-MT 1400       | VASRGR/K95        | Regeneration gas recirculation |
| BS(P)-MT 1400       | VASFS5/K75-K95 | Fine filter silencer   |                     |                   |                                |



ENGINEERING YOUR SUCCESS.





# BS(P) 200-1400 Series

## GENERATION -1

5/2002 to 4/2005

Service Kits for 12/36, 24, and 48 months are required for servicing this series, along with other components as stated. For air systems, it is recommended that the desiccant be replaced annually and the cleaning material for the 3rd stage be replaced every six months.

### Update Kit Multitronic

| suitable for                                                                                | PMC Order No. | Function                                           |
|---------------------------------------------------------------------------------------------|---------------|----------------------------------------------------|
| BS(P) 200 to BS(P) 1400                                                                     | UKMT-230-ZHM  | Multitronic + ZHM100 + Cable + Measurement chamber |
| BS(P) 200 to BS(P) 1400                                                                     | UKMT-230      | Multitronic + Cable                                |
| After converting to the current Multitronic controls, you need the generation 0 Service Kit |               |                                                    |

### 12 and 36 month interval

Material required: Service-kit, DESPACs see on opposite page  
 Service-kit contents: Re-set module, silencers, filter-elements, pilot valves  
 Options: Dew-point sensor ZHM100/450

| BS(P)           | Material required - PMC Order-No. |                                                  |           | Options - PMC Order-No. |  |
|-----------------|-----------------------------------|--------------------------------------------------|-----------|-------------------------|--|
| Model           | Service-kit                       | Filter-element                                   | Silencer  | Others                  |  |
| BS(P) 200-500   | BS12A                             | See replacement filter elements on opposite page | SDD-25/AL | ZHM100/450              |  |
| BS(P) 600-800   |                                   |                                                  | SDD-40/AL |                         |  |
| BS(P) 1150-1400 |                                   |                                                  | SDD-50/AL |                         |  |

### 24 and 48 month interval

Material required: Service-kit, silencer, filter-elements, DESPAC (see on opposite page)  
 Service-kit contents: Re-set module, wear part set for in- and outlet-valves, non-return-valves, O-ring sets (internal/external) MV block, pilot valves, solenoid coils 230V  
 Options: Dew-point sensor ZHM100/450

| BS(P)          | Material required - PMC Order-No. |                                                  |           | Options - PMC Order-No. |  |
|----------------|-----------------------------------|--------------------------------------------------|-----------|-------------------------|--|
| Model          | Service-kit                       | Filter-element                                   | Silencer  | Others                  |  |
| BS(P) 200-500  | BS24A                             | See replacement filter elements on opposite page | SDD-25/AL | ZHM100/450              |  |
| BS(P) 600-1150 | BS24B                             |                                                  | SDD-40/AL |                         |  |
| BS(P) 1400     |                                   |                                                  | SDD-50/AL |                         |  |



ENGINEERING YOUR SUCCESS.

# BS(P) 200-1400 Series

GENERATION -1  
5/2002 to 4/2005



## DESPACs

12, 24, 36, 48 month interval

Content DESPACs: Adsorbent packages

| Vessel                | PMC Order-No. | BS(P) 200 | BS(P) 300 | BS(P) 400 | BS(P) 500 | BS(P) 600 | BS(P) 800 | BS(P) 1150 | BS(P) 1400 |
|-----------------------|---------------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|
| Dryer<br>(Vessel 1+2) | DESPAC6EF     | 3         | 2         | 1         | 2         |           |           |            |            |
|                       | DESPAC20EF    | 1         | 2         | 3         | 4         | 5         | 8         | 10         | 12         |
| Cleaner<br>(Vessel 3) | DESPAC3AK     | 3         |           | 2         |           | 1         | 2         | 1          | 1          |
|                       | DESPAC10AK    |           | 1         | 1         | 2         | 2         | 3         | 4          | 5          |
|                       | DESPAC1KTY    | 7         | 4         | 1         | 4         |           |           | 4          | 1          |
|                       | DESPAC4KTY    | 1         | 2         | 3         | 4         | 5         | 8         | 9          | 12         |

## Replacement filter elements for pre- and after filters

| BS(P)     | PMC Order-No. |                            | BS(P)      | PMC Order-No. |                            |
|-----------|---------------|----------------------------|------------|---------------|----------------------------|
| Model     | Filter size   | Element grade V, ZP, XP, A | Model      | Filter size   | Element grade V, ZP, XP, A |
| BS(P) 200 | G9            | 2010_                      | BS(P) 600  | G12           | 2030_                      |
| BS(P) 300 | G9            | 2010_                      | BS(P) 800  | G12           | 2030_                      |
| BS(P) 400 | G11           | 2020_                      | BS(P) 1150 | G13           | 2050_                      |
| BS(P) 500 | G11           | 2020_                      | BS(P) 1400 | G14           | 3050_                      |

The underscore \_ must be replaced by the element type. Example: Filter G9XP with filter element 2010XP

For the BS-MT series, the XP type prefilter element and the V type postfilter element are used as standard. For the BSP-MT series, the ZP and XP type prefilter and ZL type postfilter elements are used.

## Loose accessories

| Suitable for     | PMC Order No. | Use                    | Suitable for     | PMC Order No.     | Use                            |
|------------------|---------------|------------------------|------------------|-------------------|--------------------------------|
| BS(P) 200 - 400  | VASDPD/K1-K95 | Dewpoint Measurement   | BS(P) 200 - 500  | VASVPB/K10-K2/25  | Start-up device G1i            |
| BS(P) 200 - 1400 | VASMBS420     | Signal doppler 4-20 mA | BS(P) 600 - 1150 | VASVPB/K25-K45/40 | Start-up device G1 1/2i        |
| BS(P) 200 - 300  | VASF5/K10-K15 | Fine filter silencer   | BS(P) 1400       | VASVPB/K60-K75/50 | Start-up device G2i            |
| BS(P) 400 - 500  | VASF5/K20-K25 | Fine filter silencer   | BS(P) 200 - 1150 | VASRGR/K10-K75    | Regeneration gas recirculation |
| BS(P) 600 - 1150 | VASF5/K35-K60 | Fine filter silencer   | BS(P) 1400       | VASRGR/K95        | Regeneration gas recirculation |
| BS(P) 1400       | VASF5/K75-K95 | Fine filter silencer   |                  |                   |                                |



ENGINEERING YOUR SUCCESS.

## HDK Series

HDK 18/25-550/50

HDK-MT 100 & 350



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# HDK 18/25 & 550/50 Series

## GENERATION D0

from 2010 to the present day

For the maintenance of this product range, 12 month service-kits are required, together with other components referenced below. Furthermore a 48 month maintenance interval requires a DESPAC-package (Adsorption material package) containing all filling-materials for the dryer model in question.

### 12 Month interval

Material required:

Dongle, Silencer, Pre- and after filterelements, dewpointsensor ZHM100/450

| HDK           |       | Material required – PMC Order No. |                |               |                   | Options – PMC Order No. |  |
|---------------|-------|-----------------------------------|----------------|---------------|-------------------|-------------------------|--|
| Product code  | Barg  | Service kit                       | Filter housing | Element grade | Silencer          | Dewpoint sensor         |  |
| HDK 18 / ...  | 25 50 | K-MT12A                           | G3             | 1050 XP / V   | 2 x SDD-15/600/AL | ZHM100/450              |  |
| HDK 40 / ...  | 25 50 |                                   | G3             | 1050 XP / V   |                   |                         |  |
| HDK 80 / ...  | 25 50 |                                   | G5             | 1070 XP / V   |                   |                         |  |
| HDK 120 / ... | 25 50 |                                   | G7             | 1140 XP / V   |                   |                         |  |
| HDK 160 / ... | 25 50 |                                   | G9             | 2010 XP / V   |                   |                         |  |
| HDK 210 / ... | 25 50 |                                   | G9             | 2010 XP / V   |                   |                         |  |
| HDK 360 / ... | 25 50 |                                   | G11            | 2020 XP / V   |                   |                         |  |
| HDK 550 / ... | 25 50 |                                   | G12            | 2030 XP / V   |                   |                         |  |

### DESPACs

#### 48 month interval

Content DESPACs: Molecular sieve in 1 kg, 4 kg or 15 kg packs

| PMC Order-No. | HDK 18/... | HDK 40/... | HDK 80/... | HDK 120/... | HDK 160/... | HDK 210/... | HDK 360/... | HDK 550/... |
|---------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|
| DESPAC1MS     |            | 3          | 2          | 2           | 2           |             | 1           | 1           |
| DESPAC4MS     | 1          | 1          |            | 1           |             | 1           |             | 2           |
| DESPAC15MS    |            |            | 1          | 1           | 2           | 2           | 5           | 7           |

#### Accessories, separate or installed at factory

| PMC Order No.       | Description                                                                    |
|---------------------|--------------------------------------------------------------------------------|
| TRAP2/100-G230/P    | Time controlled solenoid valve G1/4i, PN100, 2-55 °C, 115 VAC, IP65            |
| HZD80/420RG         | calibrated analogue differential pressure gauge PN420                          |
| HZDE80/420RG        | calibrated analogue differential pressure gauge PN420 with Reed contact (IP54) |
| VASMB5420           | Contact 4-20 mA for analogue output of dewpoint signal                         |
| ET-VENT-HALTE-G20-3 | Start-up device DN12,7                                                         |



ENGINEERING YOUR SUCCESS.

# HDK 18/25 & 550/50 Series

GENERATION D0  
from 2010 to the present day



| HDK  | Material required – PMC Order No. |                           |                   | HDK  | Material required – PMC Order No. |                           |                   |
|------|-----------------------------------|---------------------------|-------------------|------|-----------------------------------|---------------------------|-------------------|
|      | N°                                | PMC Order No.             | Scope of delivery |      | N°                                | PMC Order No.             | Scope of delivery |
| H18  | 2 x                               | RK-SCD-G32X90/VA-HDK      | Dust sieve (2x)   | H160 | 2 x                               | RK-SCD-G32X90/VA-HDK      | Dust sieve (2x)   |
|      | 5 x                               | ET-321HS3330B-2995-483/S1 | Solenoid valve    |      | 5 x                               | ET-321HS3330C-2995-483/S1 | Solenoid valve    |
|      | 2 x                               | RHD15L0.2BCF              | no return valve   |      | 2 x                               | RHD22L0.2BCF              | no return valve   |
|      | 3 x                               | ET-MANO.063SR711C         | Pressure gauge    |      | 3 x                               | ET-MANO.063SR711C         | Pressure gauge    |
|      | 1 x                               | ET-DRM.G08-AIRCOM-5       | Pressure reducer  |      | 1 x                               | ET-DRM.G08-AIRCOM-5       | Pressure reducer  |
|      | 5 x                               | RHD12L0.2BCF              | no return valve   |      | 5 x                               | RHD12L0.2BCF              | no return valve   |
| H40  | 2 x                               | RK-SCD-G32X90/VA-HDK      | Dust sieve (2x)   | H210 | 2 x                               | RK-SCD-G32X90/VA-HDK      | Dust sieve (2x)   |
|      | 5 x                               | ET-321HS3330B-2995-483/S1 | Solenoid valve    |      | 5 x                               | ET-321HS3330C-2995-483/S1 | Solenoid valve    |
|      | 2 x                               | RHD15L0.2BCF              | no return valve   |      | 2 x                               | RHD22L0.2BCF              | no return valve   |
|      | 3 x                               | ET-MANO.063SR711C         | Pressure gauge    |      | 3 x                               | ET-MANO.063SR711C         | Pressure gauge    |
|      | 1 x                               | ET-DRM.G08-AIRCOM-5       | Pressure reducer  |      | 1 x                               | ET-DRM.G08-AIRCOM-5       | Pressure reducer  |
|      | 5 x                               | RHD12L0.2BCF              | no return valve   |      | 5 x                               | RHD12L0.2BCF              | no return valve   |
| H80  | 2 x                               | RK-SCD-G32X90/VA-HDK      | Dust sieve (2x)   | H360 | 2 x                               | RK-SCD-G32X90/VA-HDK      | Dust sieve (2x)   |
|      | 5 x                               | ET-321HS3330B-2995-483/S1 | Solenoid valve    |      | 3 x                               | ET-321HS3330B-2995-483/S1 | Solenoid valve    |
|      | 2 x                               | RHD15L0.2BCF              | no return valve   |      | 2 x                               | ET-321HS3330C-2995-483/S1 | Solenoid valve    |
|      | 3 x                               | ET-MANO.063SR711C         | Pressure gauge    |      | 2 x                               | RHD28L0.2BCF              | no return valve   |
|      | 1 x                               | ET-DRM.G08-AIRCOM-5       | Pressure reducer  |      | 3 x                               | ET-MANO.063SR711C         | Pressure gauge    |
|      | 5 x                               | RHD12L0.2BCF              | no return valve   |      | 1 x                               | ET-DRM.G08-AIRCOM-5       | Pressure reducer  |
| H120 | 2 x                               | RK-SCD-G32X90/VA-HDK      | Dust sieve (2x)   | H550 | 5 x                               | RHD12L0.2BCF              | no return valve   |
|      | 5 x                               | ET-321HS3330B-2995-483/S1 | Solenoid valve    |      | 2 x                               | RK-SCD-G32X90/VA-HDK      | Dust sieve (2x)   |
|      | 2 x                               | RHD15L0.2BCF              | no return valve   |      | 3 x                               | ET-321HS3330B-2995-483/S1 | Solenoid valve    |
|      | 3 x                               | ET-MANO.063SR711C         | Pressure gauge    |      | 2 x                               | ET-321HS3330C-2995-483/S1 | Solenoid valve    |
|      | 1 x                               | ET-DRM.G08-AIRCOM-5       | Pressure reducer  |      | 2 x                               | RHD28L0.2BCF              | no return valve   |
|      | 5 x                               | RHD12L0.2BCF              | no return valve   |      | 3 x                               | ET-MANO.063SR711C         | Pressure gauge    |
|      |                                   |                           |                   | H550 | 1 x                               | ET-DRM.G08-AIRCOM-5       | Pressure reducer  |
|      |                                   |                           |                   |      | 5 x                               | RHD12L0.2BCF              | no return valve   |

# HDK-MT 100 & 350 bar Series



## GENERATION D2

from 2014 to the present day

For the maintenance of this product range, 12 and 24 month service-kits are required, together with other components referenced below. Furthermore a 24 month maintenance interval requires a DESMIX-package (Adsorption material package) containing all filling-materials for the dryer model in question.

### 12 / 36 Month interval

Material required: Service-Kit, Silencer, Pre- and after filterelements, dewpointsensor ZHM100/450

Service-kit contents: See table on next page

| HDK-MT              | Material required – PMC Order No.                   |                                                                                                       |               | Options – PMC Order No. |  |  |  |  |  |
|---------------------|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------|---------------|-------------------------|--|--|--|--|--|
| Product code        | Service-kit                                         | Filter-element                                                                                        | Silencer      | Others                  |  |  |  |  |  |
| HDK-MT 15/100 & 350 | SKH15-H30/D2/12<br>see pag. 78/79<br>use Tools kits | Already included<br>inside the servicekits,<br>by additional need<br>please see table on<br>next page | SDD-15/600/AL | ZHM100/450              |  |  |  |  |  |
| HDK-MT 20/100 & 350 |                                                     |                                                                                                       |               |                         |  |  |  |  |  |
| HDK-MT 25/100 & 350 |                                                     |                                                                                                       |               |                         |  |  |  |  |  |
| HDK-MT 30/100 & 350 | SKH40-H70/D2/12<br>see pag. 78/79<br>use Tools kits |                                                                                                       |               |                         |  |  |  |  |  |
| HDK-MT 40/100 & 350 |                                                     |                                                                                                       |               |                         |  |  |  |  |  |
| HDK-MT 50/100 & 350 |                                                     |                                                                                                       |               |                         |  |  |  |  |  |
| HDK-MT 70/100 & 350 |                                                     |                                                                                                       |               |                         |  |  |  |  |  |

### 24 / 48 month interval

Material required: Service-Kit, Silencer, Pre- and after filterelements, replacement desiccant, dewpointsensor ZHM100/450

Service-kit contents: See table on next page

| HDK-MT              | Material required – PMC Order No.                   |                                                                                                       |               | Options – PMC Order No. |  |  |  |  |  |
|---------------------|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------|---------------|-------------------------|--|--|--|--|--|
| Product code        | Service-kit                                         | Filter-element                                                                                        | Silencer      | Others                  |  |  |  |  |  |
| HDK-MT 15/100 & 350 | SKH15-H30/D2/24<br>see pag. 78/79<br>use Tools kits | Already included<br>inside the servicekits,<br>by additional need<br>please see table on<br>next page | SDD-15/600/AL | ZHM100/450              |  |  |  |  |  |
| HDK-MT 20/100 & 350 |                                                     |                                                                                                       |               |                         |  |  |  |  |  |
| HDK-MT 25/100 & 350 |                                                     |                                                                                                       |               |                         |  |  |  |  |  |
| HDK-MT 30/100 & 350 | SKH40-H70/D2/24<br>see pag. 78/79<br>use Tools kits |                                                                                                       |               |                         |  |  |  |  |  |
| HDK-MT 40/100 & 350 |                                                     |                                                                                                       |               |                         |  |  |  |  |  |
| HDK-MT 50/100 & 350 |                                                     |                                                                                                       |               |                         |  |  |  |  |  |
| HDK-MT 70/100 & 350 |                                                     |                                                                                                       |               |                         |  |  |  |  |  |



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# HDK-MT 100 & 350bar Series

GENERATION D2  
from 2014 to the present day



**Contents DESMIX: Three layer desiccant charge (ceramic/silica gel/molecular sieve beads)**

## HDK-MT 100

| HDK-MT       | PMC Order-No.     | HDK-MT       | PMC Order-No.     | HDK-MT       | PMC Order-No.     | HDK-MT       | PMC Order-No.     |
|--------------|-------------------|--------------|-------------------|--------------|-------------------|--------------|-------------------|
| Product Code | DESMIX-package    | Product Code | DESMIX-package    | Product Code | DESMIX-package    | Product Code | DESMIX-package    |
| HDK-MT 15    | H15/100/D2-DESMIX | HDK-MT 40    | H40/100/D2-DESMIX | HDK-MT 15    | H15/350/D2-DESMIX | HDK-MT 40    | H40/350/D2-DESMIX |
| HDK-MT 20    | H20/100/D2-DESMIX | HDK-MT 50    | H50/100/D2-DESMIX | HDK-MT 20    | H20/350/D2-DESMIX | HDK-MT 50    | H50/350/D2-DESMIX |
| HDK-MT 25    | H25/100/D2-DESMIX | HDK-MT 70    | H70/100/D2-DESMIX | HDK-MT 25    | H25/350/D2-DESMIX | HDK-MT 70    | H70/350/D2-DESMIX |
| HDK-MT 30    | H30/100/D2-DESMIX |              |                   | HDK-MT 30    | H30/350/D2-DESMIX |              |                   |

## HDK-MT 350

### Replacement filter elements for pre- and after filters

| HDK-MT       | PMC Order-No.       |                      | HDK-MT       | PMC Order-No.       |                      |
|--------------|---------------------|----------------------|--------------|---------------------|----------------------|
| Product code | Filter housing size | Element grade ZP, XP | Product code | Filter housing size | Element grade ZP, XP |
| HDK-MT 15    | GH7                 | 1140_                | HDK-MT 40    | GH9                 | 2010_                |
| HDK-MT 20    | GH7                 | 1140_                | HDK-MT 50    | GH9                 | 2010_                |
| HDK-MT 25    | GH7                 | 1140_                | HDK-MT 70    | GH9                 | 2010_                |
| HDK-MT 30    | GH7                 | 1140_                |              |                     |                      |

The code spacing\_ should contain the filter-element grade required.

Example: Filter GH7XP containing filter element 1140XP or filter GH9XP containing with filter element 2010XP.

**Attention: Elements are already included inside service kit of generation D2.**



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# HDK-MT 100 & 350 bar Series

## GENERATION D2

from 2014 to the present day

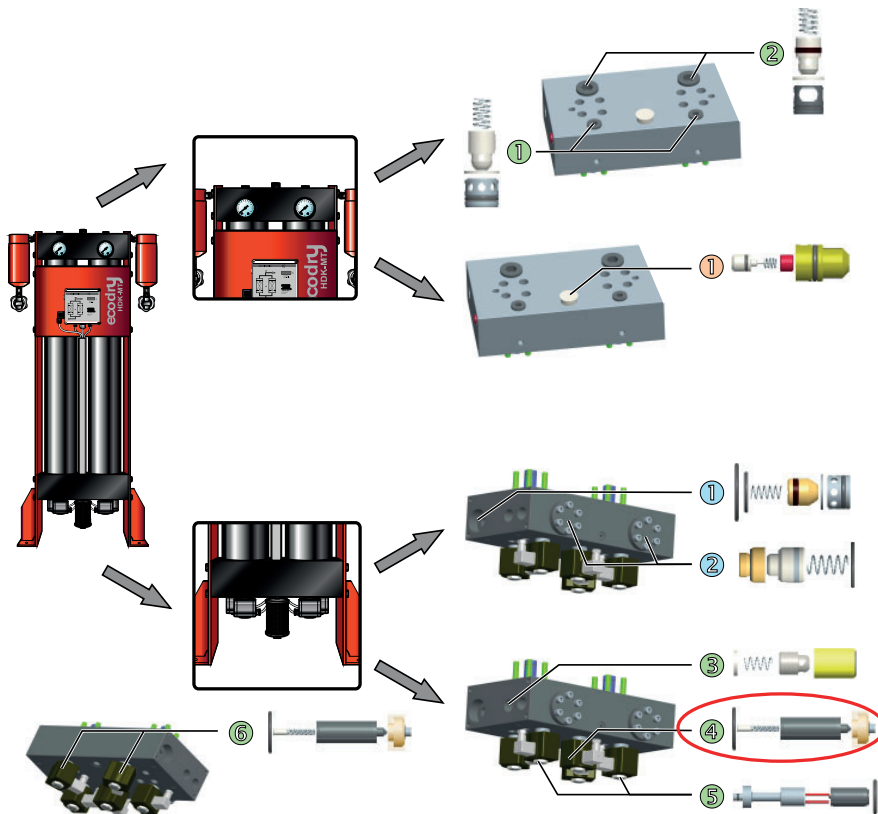
For the maintenance of this product range, 12 and 24 month service-kits are required, together with other components referenced below. Furthermore a 24 month maintenance interval requires a DESMIX-package (Adsorption material package) containing all filling-materials for the dryer model in question.



### Main content Service kits :

## Service scope: valves

HDK-MT 4 - 70 PN100/350 Generation 2



#### 12 Month- SKH15-H30/D2/12, SKH40-H70/D2/12

- ① 2 x V3/V4 expansion valve (0352651)
- ② 2 x V1/V2 main inlet valve (0352649)

#### 24 Month- SKH15-H30/D2/24, SKH40-H70/D2/24

- ③ 2 x check valve pressurization (0352650)
- ④ 1 x pilot valve pressurization Y5 (0352839)
- ⑤ 2 x pilot valve Y1/Y2 (0352653)
- ⑥ 2 x pilot valve Y3/Y4 (0352839)

#### Spare part ET-HDK-MT/2/VN

- ① 1 x needle valve - for all size (0353249)

#### Spare part

- ① 2 x check valve DN 6 (0352659)
- ② 2 x check valve DN 12 (0352656)



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# HDK-MT 100 & 350bar Series

**GENERATION D2**  
from 2014 to the present day



## HDK-MT Special Tools

PMC order number: HDK-TOOL1

### Benefits

- Necessary tool for HDK-MT
- Tools in a stabile case
- Support all works on the solenoid valve
- Fits on all valve blocks
- Perfect mounting
- Saves working time
- User manual included



This valve-mounting-tool-set includes five special tools of support all relevant maintenance works on the HDK-MT series solenoid valves. These high precision tools are made out of stainless steel. it gunrantees a save and successfull maintenance

PMC order number: HDK-TOOL2

### Benefits

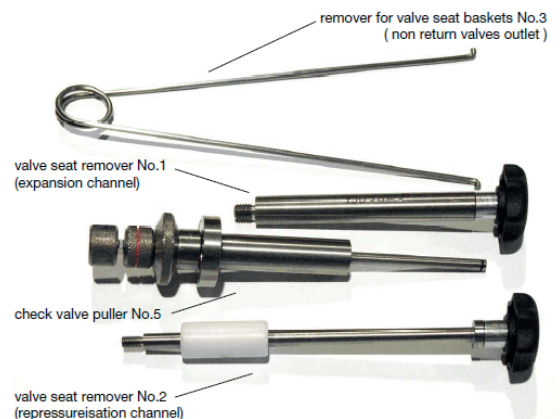
- Easy to handle
- 2 way usage
- Necessary tool for HDK, HDAM
- Fits all unit sizes
- Precise control behaviour
- Reduce working time

The Parker ZANDER vessel-lock-remover is needed for the dessicant change works on all vessel of the high pressure range from 100 to 350 bar. The tool fit's on all pressure vessel for the series HDK-MT. HDAM and HDA adsorber.

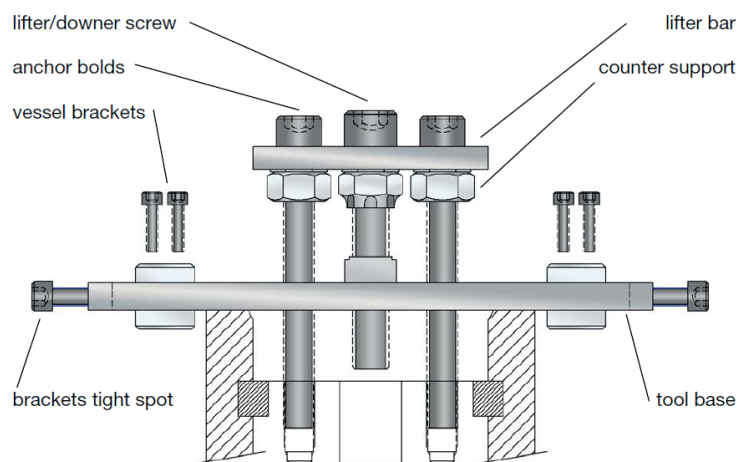
The HDK.TOOL2 allows an easy and save demounting (lift-up) and mounting (press-in) of the vessel-lock-piston

## Service Bulletin

HDK-TOOL1  
HDK-MT valve mounting tool set



HDK-TOOL2  
Vessel-Piston-Remover-Tool



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# HDK-MT 100 & 350 bar Series



**GENERATION D2**

from 2014 to the present day



## Additional repair kits all pressure stages:

**Repair kits: Further wear part sets as required**

| For model | PMC Order no.     | Service internal | Scope of supply                  |
|-----------|-------------------|------------------|----------------------------------|
| all       | RKH15-H70/RV1-RV4 | as required      | Four check valves RV1-RV4        |
|           | RKESC-HDK-230-NH  |                  | Five solenoid coils 230V/50-60Hz |
|           | RKESC-HDK-115-NH  |                  | Five solenoid coils 115V/50-60Hz |
|           | RKH15-H70/PWS     |                  | Two vessel nozzles incl. o-rings |

**Further spare part as required**

| For model | PMC Order no.        | Service internal | Scope of supply                                           |
|-----------|----------------------|------------------|-----------------------------------------------------------|
| all       | SDD-15/600/AL        | as required      | Silencer                                                  |
|           | ZHM100/450           |                  | Dew point sensor                                          |
|           | ET-HDK-MT/2/VN       |                  | Needle valve VN (for regeneration gas)                    |
|           | ET-HDK-MT/2/MV-BLOCK |                  | Solenoid valve block without coils                        |
|           | ET-HDK-MT/2/RV-BLOCK |                  | Check valve block without needle valve vn, without gauges |
|           | ET-MANO.063MR0816    |                  | Gauge incl.seal                                           |



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# HDK-MT 100 & 350 bar Series

**GENERATION D2**  
from 2014 to the present day



## Accessories 100 & 350 bar series:

### Accessories, lose or mounted ex works

| Start-up device                                              |                  |                                                                                                                                  |
|--------------------------------------------------------------|------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Suitable for model                                           | PMC Order no.    | Description                                                                                                                      |
| HDK-MT 15/100 up to HDK-MT 30/100                            | VASVPB/100/15    | Pressure maintaining valve G1/2 PN100 incl. adjustable opening pressure incl. fitting and T-piece for regeneration gas back flow |
| HDK-MT 15/350 up to HDK-MT 30/350                            | VASVPB/450/15    | Pressure maintaining valve G1/2 PN450 incl. adjustable opening pressure incl. fitting and T-piece for regeneration gas back flow |
| HDK-MT 40/100 up to HDK-MT 70/100                            | VASVPB/415/20    | Pressure maintaining valve G3/4 PN415 incl. adjustable opening pressure incl. fitting and T-piece for regeneration gas back flow |
| HDK-MT 40/350 up to HDK-MT 70/350                            | VASVPB/415/20    | Pressure maintaining valve G3/4 PN415 incl. adjustable opening pressure incl. fitting and T-piece for regeneration gas back flow |
| Time controlled drains for prefilter, various power supplies |                  |                                                                                                                                  |
| Suitable for model                                           | PMC Order no.    | Description                                                                                                                      |
| all                                                          | TRAP2/100-G230/P | Time controlled solenoid valve G1/4i, PN100, 2-55°C, 230 VAC, IP65                                                               |
| all                                                          | TRAP2/350-G230/P | Time controlled solenoid valve G1/4i, PN350, 2-55°C, 230 VAC, IP65                                                               |
| all                                                          | TRAP2/100-G115/P | Time controlled solenoid valve G1/4i, PN100, 2-55°C, 115 VAC, IP65                                                               |
| all                                                          | TRAP2/350-G115/P | Time controlled solenoid valve G1/4i, PN350, 2-55°C, 115 VAC, IP65                                                               |
| all                                                          | TRAP2/100-G24D/P | Time controlled solenoid valve G1/4i, PN100, 2-55°C, 24 VDC, IP65                                                                |
| all                                                          | TRAP2/350-G24D/P | Time controlled solenoid valve G1/4i, PN350, 2-55°C, 24 VDC, IP65                                                                |
| Differential pressure gauges for pre- and afterfilter        |                  |                                                                                                                                  |
| Suitable for model                                           | PMC Order no.    | Description                                                                                                                      |
| all                                                          | HZD80/420RG      | Calibrated analogue differential pressure gauge PN420                                                                            |
| all                                                          | HZDE80/420RG     | Calibrated analogue differential pressure gauge PN420 incl. reed contact (IP54)                                                  |
| Signal splitter                                              |                  |                                                                                                                                  |
| Suitable for model                                           | PMC Order no.    | Description                                                                                                                      |
| all                                                          | VASMBS420        | analogue output contact 4-20 mA for dew-point signal                                                                             |



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# HDK-MT 100, 250 & 350bar Series

**GENERATION D1**  
**from 2008 to 2014**

For the maintenance of this product range, 12 and 24 month service-kits are required, together with other components referenced below. Furthermore a 24 month maintenance interval requires a DESPAC-package (Adsorption material package) containing all filling-materials for the dryer model in question.

## 12 / 36 Month interval

Material required: Service-Kit, Silencer, Pre- and after filterelements  
Service-kit contents: See table on next page  
Options: Dew-point sensor ZHM100/450

| HDK-MT       | Material required – PMC Order No.             |                                                        |               | Options – PMC Order No. |  |
|--------------|-----------------------------------------------|--------------------------------------------------------|---------------|-------------------------|--|
| Product code | Service-kit                                   | Filter-element                                         | Silencer      | Others                  |  |
| HDK-MT 4     | HDK-MT12A<br>see pag. 82/83<br>use Tools kits | see replacement filter<br>elements on opposite<br>page | SDD-15/600/AL | ZHM100/450              |  |
| HDK-MT 6     |                                               |                                                        |               |                         |  |
| HDK-MT10     |                                               |                                                        |               |                         |  |
| HDK-MT15     |                                               |                                                        |               |                         |  |
| HDK-MT20     |                                               |                                                        |               |                         |  |
| HDK-MT25     |                                               |                                                        |               |                         |  |
| HDK-MT30     |                                               |                                                        |               |                         |  |
| HDK-MT40     |                                               |                                                        |               |                         |  |
| HDK-MT50     |                                               |                                                        |               |                         |  |
| HDK-MT60     |                                               |                                                        |               |                         |  |
| HDK-MT70     |                                               |                                                        |               |                         |  |

## 24 / 48 month interval

Material required: Service-Kit, Silencer, Pre- and after filterelements, replacement desiccant  
Service-kit contents: See table on next page  
Options: Dew-point sensor ZHM100/450

| HDK-MT       | Material required – PMC Order No.             |                                                        |               | Options – PMC Order No. |  |
|--------------|-----------------------------------------------|--------------------------------------------------------|---------------|-------------------------|--|
| Product code | Service-kit                                   | Filter-element                                         | Silencer      | Others                  |  |
| HDK-MT 4     | HDK-MT24A<br>see pag. 82/83<br>use Tools kits | see replacement filter<br>elements on opposite<br>page | SDD-15/600/AL | ZHM100/450              |  |
| HDK-MT 6     |                                               |                                                        |               |                         |  |
| HDK-MT10     |                                               |                                                        |               |                         |  |
| HDK-MT15     |                                               |                                                        |               |                         |  |
| HDK-MT20     |                                               |                                                        |               |                         |  |
| HDK-MT25     |                                               |                                                        |               |                         |  |
| HDK-MT30     |                                               |                                                        |               |                         |  |
| HDK-MT40     |                                               |                                                        |               |                         |  |
| HDK-MT50     |                                               |                                                        |               |                         |  |
| HDK-MT60     |                                               |                                                        |               |                         |  |
| HDK-MT70     |                                               |                                                        |               |                         |  |



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# HDK-MT 100, 250 & 350bar Series

GENERATION D1  
from 2008 to 2014



DESPACs / Replacement desiccant

24 month interval

Desiccant packs for HDK-MT 100 bar

Content DESPACs: Molecular sieve in 1 kg, 4 kg or 15 kg packs

| Order-No.  | Content  | HDK-MT 4 | HDK-MT 6 | HDK-MT 10 | HDK-MT 15 | HDK-MT 20 | HDK-MT 25 | HDK-MT 30 | HDK-MT 40 | HDK-MT 50 | HDK-MT 60 | HDK-MT 70 |
|------------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| DESPAC1MS  | (1,7 kg) |          |          |           |           |           | 1         | 1         | 1         |           | 1         |           |
| DESPAC4MS  | (4 kg)   | 2        | 2        | 2         | 2         | 3         |           | 1         | 3         | 1         | 2         | 3         |
| DESPAC15MS | (15 kg)  |          |          |           |           |           | 1         | 1         | 2         | 2         | 2         | 2         |



Desiccant packs for HDK-MT 250 & 350 bar

Content DESPACs: Molecular sieve in 1 kg, 4 kg or 15 kg packs

| Order-No.  | Content  | HDK-MT 4 | HDK-MT 6 | HDK-MT 10 | HDK-MT 15 | HDK-MT 20 | HDK-MT 25 | HDK-MT 30 | HDK-MT 40 | HDK-MT 50 | HDK-MT 60 | HDK-MT 70 |
|------------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| DESPAC1MS  | (1,7 kg) | 1        | 1        | 1         | 1         | 2         | 2         |           | 2         | 2         |           | 1         |
| DESPAC4MS  | (4 kg)   | 1        | 1        | 1         | 1         | 1         | 2         | 3         |           | 1         | 3         | 3         |
| DESPAC15MS | (15 kg)  |          |          |           |           |           |           |           | 1         | 1         | 1         | 1         |

Replacement filter elements for pre- and after filters

| HDK-MT       | PMC Order-No.       |                      | HDK-MT       | PMC Order-No.       |                      |
|--------------|---------------------|----------------------|--------------|---------------------|----------------------|
| Product code | Filter housing size | Element grade ZP, XP | Product code | Filter housing size | Element grade ZP, XP |
| HDK-MT 4     | G3                  | 1050_                | HDK-MT 30    | G7                  | 1140_                |
| HDK-MT 6     | G3                  | 1050_                | HDK-MT 40    | G9                  | 2010_                |
| HDK-MT 10    | G3                  | 1050_                | HDK-MT 50    | G9                  | 2010_                |
| HDK-MT 15    | G5                  | 1070_                | HDK-MT 60    | G11                 | 2020_                |
| HDK-MT 20    | G5                  | 1070_                | HDK-MT 70    | G11                 | 2020_                |
| HDK-MT 25    | G7                  | 1140_                |              |                     |                      |

The code spacing\_ should contain the filter-element grade required. Example: Filter G3XP containing filter element 1050XP.



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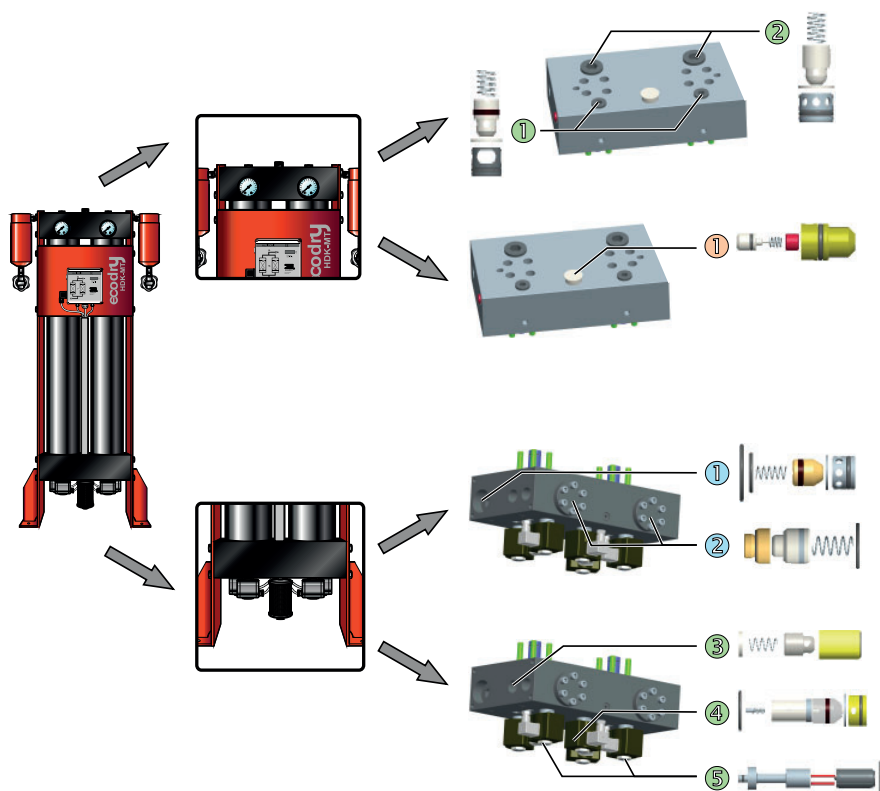
# HDK-MT 100, 250 & 350bar Series

GENERATION D1  
from 2008 to 2014

Main content Service kits :

## Service scope: valves

HDK-MT 4 - 70 PN100/250/350 generation 1



### 12 Month-Servicekit HDK-MT12A

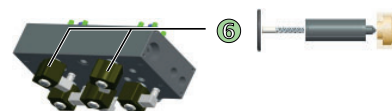
- ① 2 x V3/V4 expansion valve (0352651)
- ② 2 x V1/V2 main inlet valve (0352649)

### ... and additional in 24 Month-Servicekit HDK-MT24A

- ① 2 x check valve DN 6 (0352659)
- ② 2 x check valve DN 12 (0352656)
- ③ 2 x check valve pressurization (0352650)
- ④ 1 x pilot valve pressurization Y5 (0352839)
- ⑤ 2 x pilot valve Y1/Y2 (0352653)
- ⑥ 2 x pilot valve Y3/Y4 (0352839)

### Spare part ET-HDK-MT/2/VN

- ① 1 x needle valve - for all size (0352969)



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# HDK-MT 100, 250 & 350bar Series

GENERATION D1  
from 2008 to 2014



## HDK-MT Special Tools

PMC order number: HDK-TOOL1

### Benefits

- Necessary tool for HDK-MT
- Tools in a stabile case
- Support all works on the solenoid valve
- Fits on all valve blocks
- Perfect mounting
- Saves working time
- User manual included



This valve-mounting-tool-set includes five special tools of support all relevant maintenance works on the HDK-MT series solenoid valves. These high precision tools are made out of stainless steel. it gunrantees a save and successfull maintenance

PMC order number: HDK-TOOL2

### Benefits

- Easy to handle
- 2 way usage
- Necessary tool for HDK, HDAM
- Fits all unit sizes
- Precise control behaviour
- Reduce working time

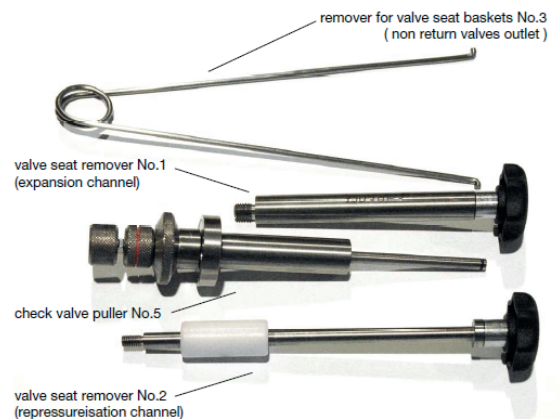
The Parker ZANDER vessel-lock-remover is needed for the dessicant change works on all vessel of the high pressure range from 100 to 350 bar. The tool fit's on all pressure vessel for the series HDK-MT. HDAM and HDA adsorber.

The HDK.TOOL2 allows an easy and save demounting (lift-up) and mounting (press-in) of the vessel-lock-piston

## Service Bulletin

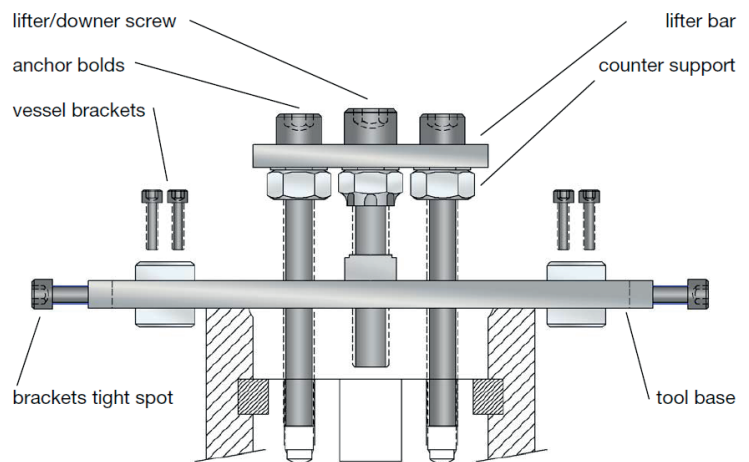
HDK-TOOL1

HDK-MT valve mounting tool set



HDK-TOOL2

Vessel-Piston-Remover-Tool



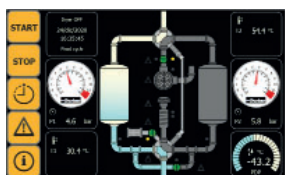
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## Controller upgrades



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# Retrofit Kits HCDC control

## WVM adsorption dryers GENERATION 5 (VM5)

### From 2021 to the present day

Excellent operatin overview with the colour TFT display of the new ZDMC2 PLC, which clearly and continuously shows values at a glance:

- Pressure per vessel
- Heating temperature
- Regeneration, air outlet
- Pressure dew point
- 2 times PT 100 (for inlet / outlet temperature, preset)
- 1 times 4-20 mA (frely selectable)

| Available items: | PMC Order No. : 24V (DC) | Item description: |
|------------------|--------------------------|-------------------|
| ON GOING         |                          |                   |

### HCDC:features of the PLC

|                                |                                                                                                                                                                         |                                                              |                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|-----------------------------------|
| <b>Dsplay</b>                  | Touch screen (7" TFT 16:9 64k 800x480 colour)<br>Operating temperature: from -0° C to a +50° C<br>Storage temperature: from -20° C to a 70° C<br>Protection class IP65, |                                                              |                                   |
| <b>CPU</b>                     |                                                                                                                                                                         |                                                              |                                   |
| <b>Programming language</b>    | Avalable 8 languages (English, Italian, German, French, Spanish, Czech, Polish, Slovak, Russian, Ducth)                                                                 |                                                              |                                   |
| <b>Memory Storage</b>          | Permanent logging of measured data at 60 seconds minimum<br>Evaluation and display in curve chart                                                                       |                                                              |                                   |
| <b>Data recording</b>          | Possibility to download the recorded data to USB memory without having to open the electrical panel.                                                                    |                                                              |                                   |
| <b>Interfaces</b>              | Modbus RS485                                                                                                                                                            | Modbus RJ45                                                  | only usable as slave components i |
| <b>Protocols</b>               | Modbus RTU on RS485 (configurable via touch screen) GSD file                                                                                                            | Mobus TCP on RJ45 (Ethernet) (configurable via touch screen) | DV V0 (profibus)                  |
| <b>Analogue inputs</b>         | Quantity: 2                                                                                                                                                             | 2 x 4-20 mA                                                  | 2 times                           |
|                                |                                                                                                                                                                         | 2 x PT100                                                    | 1 time                            |
| <b>Potential-free contacts</b> | Quantity: 4                                                                                                                                                             | 2 times internal allocation                                  |                                   |
| <b>Digital inputs</b>          | Quantity: 5                                                                                                                                                             | 24 V, non isolated                                           | 1 time                            |
| <b>Dig. transistor outputs</b> | Quantity: 15                                                                                                                                                            | Non-isolated<br>24 V, max. 0.5A                              |                                   |
| <b>Digital relay outputa</b>   | Quantity: 3                                                                                                                                                             | 230 V. max. 3 A                                              |                                   |



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# Retrofit Kits ZDMC2 control

## WVM adsorption dryers GENERATION 4 (VM4)

### From 2012 to 12/2020

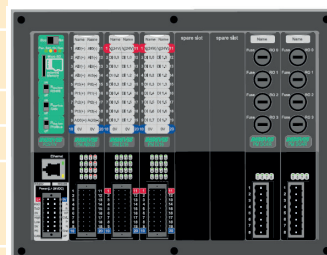
Excellent operatin overview with the colour TFT display of the new ZDMC2 PLC, which clearly and continuously shows values at a glance:

- Pressure per vessel
- Heating temperature
- Regeneration, air outlet
- Pressure dew point
- 2 times PT 100 (for inlet / outlet temperature, preset)
- 1 times 4-20 mA (frely selectable)

| Available items:                 | PMC Order No. : 24V (DC) | Item description:                                  |
|----------------------------------|--------------------------|----------------------------------------------------|
| <b>ZDMC 2 Retrofit Kit</b>       | ET-ZDMC-2-24D/MB         | Standard ZDMC 2 control with MODBUS RS485          |
| <b>ZDMC 2 Retrofit Kit /PB</b>   | ET-ZDMC-2/PB             | ZDMC 2 control with PROFIBUS                       |
| <b>Profibuscard Retrofit Kit</b> | RK-ZDMC-2/PB             | PROFIBUS card single (to upgrade ET-ZDMC-2-24D/MB) |
| <b>Micro SD Card Kit</b>         | ET-ZDMC-2-MICRO-SD-CARD  | Micro SD Card (2GB) single                         |

### ZDMC2:features of the PLC

|                                |                                                                  |                                                         |                                                                                                                                                             |
|--------------------------------|------------------------------------------------------------------|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Dsplay</b>                  | Touch screen (TFT, 16-bit colour)                                |                                                         |                                                                                                                                                             |
| <b>CPU</b>                     | Siemens 315 (only compatible with Parker components)             |                                                         |                                                                                                                                                             |
| <b>Programming lagueage</b>    | STEP7 (Siemens Simatic Software)                                 |                                                         |                                                                                                                                                             |
| <b>Memory Storage</b>          | 24MB internal, 4GB micro SD memory card                          |                                                         |                                                                                                                                                             |
| <b>Data recording</b>          | Continuosly in 5-minute steps for the prior weeks as binary code |                                                         |                                                                                                                                                             |
| <b>Interfaces</b>              | Modbus RS485<br>(configurale via touch screen)                   | Modbus RJ45<br>(configurale via touch screen)           | only usable as slave components in Profibus<br>(configurale via touch screen)                                                                               |
| <b>Protocols</b>               | Modbus RS485<br>(configurable via touch screen) GSD file         | Mobus TCP (Ethernet)<br>(configurable via touch screen) | DV V0 (profibus)<br>(cofigurable via STEP7)                                                                                                                 |
| <b>Analogue inputs</b>         | Quantity: 4                                                      | 4-20 mA                                                 | 2 times pressure B1/B2<br>1 time pressure dew point<br>1 time reserve                                                                                       |
|                                |                                                                  | PT100                                                   | 1 time heater outlet<br>1 time regen, air outlet<br>2 times reserve                                                                                         |
| <b>Analogue outputs</b>        | Quantity: 2                                                      | 4-20 mA                                                 | 2 configurable via touch panel                                                                                                                              |
| <b>Potential-free contacts</b> | Quantity: 4                                                      | 2 times internal allocation                             | 1 time collective fault<br>1 time operating notification                                                                                                    |
| <b>Digital inputs</b>          | Quantity: 16                                                     | 24 V, non isolated                                      | 1 time vacuum pump error<br>1 time heater temp. limiter<br>1 time remote on/off<br>2 times regen. flaps open/closed<br>11 times reserve and preset op-tions |
| <b>Dig. transistor outputs</b> | Quantity: 16                                                     | Non-isolated<br>24 V, max. 0.5A                         | 2 times main valves<br>2 times regen, flaps open/closed<br>1 time pressure build-up valve open<br>1 time expansion valve open<br>(amongst other)            |
| <b>Digital relay outputa</b>   | Quantity: 4                                                      | 230 V. max. 3 A                                         | 1 time vacuum connect.<br>3 times heater stages 1-3 connect.                                                                                                |

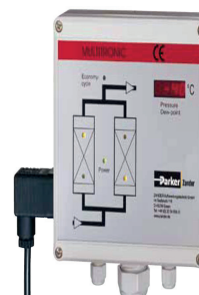


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# Retrofit Kits Multitronic control

All cold regenerated Zander adsorption dryers

From 2003 until the present day



## Benefits

- At least 20% energy savings
- Clearly structured display
- Dewpoint display
- Economy controller
- IP64 housing
- Fits all makes
- Fast installation
- Increase operational safety
- Floating alarm
- Service display
- Great versatility
- 100% compatible



The Parker ZANDER MULTITRONIC controller is suitable for all heatless regenerated adsorption dryers. Guaranteed energy savings compared with conventional switch-over controllers.

| Available items:                        | PMC Ordercodes:<br>115V / 230V (AC) | PMC Ordercodes:<br>24V (AC / DC) | Item description:                                                                  |
|-----------------------------------------|-------------------------------------|----------------------------------|------------------------------------------------------------------------------------|
| <b>Multitronic Plus Retrofit Kit</b>    | UKMT-230-ZHM                        | UKMT-24D-ZHM                     | Multitronic with dewpoint sensor (4 Valves)                                        |
| <b>Multitronic Basic Retrofit Kit</b>   | UKMT-230                            | UKMT-24D                         | Multitronic standard (4 Valves)                                                    |
| <b>Multitronic Plus 5 Retrofit Kit</b>  | UKMT-230-5-ZHM                      | UKMT-24D-5-ZHM                   | Multitronic for high pressure dryers with dewpoint sensor (5 Valves)               |
| <b>Multitronic Basic 5 Retrofit Kit</b> | UKMT-230-5                          | UKMT-24D-5                       | Multitronic for high pressure dryers (5 Valves)                                    |
| <b>MBS420 ( analogue output 4-20mA)</b> | VASMBS420                           | VASMBS420                        | Add on board to have a analogue output 4-20 mA signal                              |
| <b>ZHM100 Dewpoint Sensor</b>           | ZHM100/450                          | ZHM100/450                       | 4-20 mA Sensor                                                                     |
| <b>Service Dongle</b>                   | K-MT12A                             | K-MT12A                          | Service Dongle ( Reset module multitronic control after 8000 running hours needed) |

Picture shows: **UKMT-230-ZHM**



Picture shows: **VASMBS420**

Optional accessories

- MBS420 (plug-on analog output for 4-20 mA dewpoint reading)



Picture shows: **Service Dongle (K-MT12A)**



Picture shows: **Zander Service Kit**



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## **Oil-Vapour Adsorbers**

AK, AKM, AKN Series



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# AKM 1-8 Series

## GENERATION 3 (OIL-X filter)

from 01/2019

For the maintenance of this product range, a 12-month service-kit and a DESPAC-package are required. When the oil-control indicator shows that activated carbon replacement is required or at least after 12 months operation, this must be carried out. Independent of the level of discolouration in the indicator-tube (P02/ZR), the oil-control indicator must also be replaced.

### 12 month interval

Material required:

Service-kit contents:

DESPAC-package contents:

Options:

Service-kit, DESPAC-package(s)

Element for post-filter (Housing-body O-ring included), 2 x perforated screen with foamed-on gasket

Activated carbon available in 3 kg & 10 kg containers

Indicator-tube P02/ZR

| AKM          | Material required - PMC Order-No. |            |          | Options - PMC Order-No. |  |
|--------------|-----------------------------------|------------|----------|-------------------------|--|
| Product Code | Service-kit                       | DESPAC     | Quantity | Others                  |  |
| AKM 1        | SKA1-A4/3                         | DESPAC3AK  | 1        | P02/ZR                  |  |
| AKM 2        | SKA1-A4/3                         | DESPAC3AK  | 1        |                         |  |
| AKM 3        | SKA1-A4/3                         | DESPAC3AK  | 1        |                         |  |
| AKM 4        | SKA1-A4/3                         | DESPAC3AK  | 1        |                         |  |
| AKM 6        | SKA6-A7/3                         | DESPAC3AK  | 2        |                         |  |
| AKM 7        | SKA6-A7/3                         | DESPAC3AK  | 2        |                         |  |
| AKM 8        | SKA8/3                            | DESPAC10AK | 1        |                         |  |

## Replacement filter-elements for standard post-filter

| AKM          | Material required - PMC Order-No. |                  |
|--------------|-----------------------------------|------------------|
| Product Code | Filter Element                    | Element grade AO |
| AKM 1        | P010                              | AO               |
| AKM 2        | P010                              | AO               |
| AKM 3        | P010                              | AO               |
| AKM 4        | P010                              | AO               |
| AKM 6        | P015                              | AO               |
| AKM 7        | P015                              | AO               |
| AKM 8        | P020                              | AO               |

## Loose accessories

| AKM            | PMC Order-No.   | Use                   |
|----------------|-----------------|-----------------------|
| AKM 1 to AKM 4 | VASVPB/K1-K4/08 | Starting device G1/4i |
| AKM 6 to AKM 7 | VASVPB/K6-K7/15 | Starting device G1/2i |
| AKM 8          | VASVPB/K8/20    | Starting device G3/4i |



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# AKM 1-8 Series

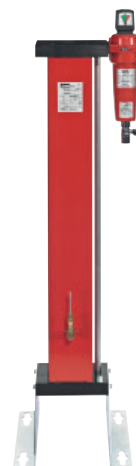
## GENERATION 2

from 07/2011 to 12/2018

For the maintenance of this product range, a 12-month service-kit and a DESPAC-package are required. When the oil-control indicator shows that activated carbon replacement is required or at least after 12 months operation, this must be carried out. Independent of the level of discolouration in the indicator-tube (P02/ZR), the oil-control indicator must also be replaced.

### 12 and 36 month interval

|                          |                                                                                                     |
|--------------------------|-----------------------------------------------------------------------------------------------------|
| Material required:       | Service-kit, DESPAC-package(s)                                                                      |
| Service-kit contents:    | Element for post-filter (Housing-body O-ring included), 2 x perforated screen with foamed-on gasket |
| DESPAC-package contents: | Activated carbon available in 3 kg & 10 kg containers                                               |
| Options:                 | Indicator-tube P02/ZR                                                                               |



| AKM          | Material required - PMC Order-No. |            |          | Options - PMC Order-No. |  |
|--------------|-----------------------------------|------------|----------|-------------------------|--|
| Product Code | Service-kit                       | DESPAC     | Quantity | Others                  |  |
| AKM 1        | SKA1-A4                           | DESPAC3AK  | 1        | P02/ZR                  |  |
| AKM 2        | SKA1-A4                           | DESPAC3AK  | 1        |                         |  |
| AKM 3        | SKA1-A4                           | DESPAC3AK  | 1        |                         |  |
| AKM 4        | SKA1-A4                           | DESPAC3AK  | 1        |                         |  |
| AKM 6        | SKA6-A7                           | DESPAC3AK  | 2        |                         |  |
| AKM 7        | SKA6-A7                           | DESPAC3AK  | 2        |                         |  |
| AKM 8        | SKA8                              | DESPAC10AK | 1        |                         |  |

### Replacement filter-elements for standard post-filter

(Contained in the service-package)

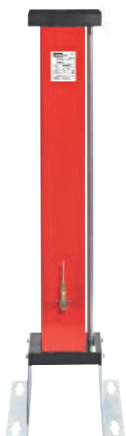
| AKM          | Material required - PMC Order-No. |                            |
|--------------|-----------------------------------|----------------------------|
| Product Code | Filter housing size               | Element grade V, ZP, XP, A |
| AKM 1        | GL2                               | CP1008ZL                   |
| AKM 2        | GL2                               | CP1008ZL                   |
| AKM 3        | GL2                               | CP1008ZL                   |
| AKM 4        | GL2                               | CP1008ZL                   |
| AKM 6        | GL5                               | CP2010ZL                   |
| AKM 7        | GL5                               | CP2010ZL                   |
| AKM 8        | GL7                               | CP2020ZL                   |

### Loose accessories

| AKM            | PMC Order-No.   | Use                   |
|----------------|-----------------|-----------------------|
| AKM 1 to AKM 4 | VASVPB/K1-K4/08 | Starting device G1/4i |
| AKM 6 to AKM 7 | VASVPB/K6-K7/15 | Starting device G1/2i |
| AKM 8          | VASVPB/K8/20    | Starting device G3/4i |



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# AKM 1-8 Series

## GENERATION 1

from 07/2003 to 06/2011

For the maintenance of this product range, a 12-month service-kit and a DESPAC-package are required. When the oil-control indicator shows that activated carbon replacement is required or at least after 12 months operation, this must be carried out. Independent of the level of discolouration in the indicator-tube (P02/ZR), the oil-control indicator must also be replaced.

### 12 and 36 month interval

Material required:

Service-kit contents:

DESPAC-package contents:

Options:

Service-kit, DESPAC-package(s)

Element for post-filter (Housing-body O-ring included), 2 x perforated screen with foamed-on gasket

Activated carbon available in 3 kg & 10 kg containers

Indicator-tube P02/ZR

| AKM          | Material required - PMC Order-No. |            |          | Options - PMC Order-No. |  |
|--------------|-----------------------------------|------------|----------|-------------------------|--|
| Product Code | Service-kit                       | DESPAC     | Quantity | Others                  |  |
| AKM 1        | RKA1-A4                           | DESPAC3AK  | 1        | P02/ZR                  |  |
| AKM 2        | RKA1-A4                           | DESPAC3AK  | 1        |                         |  |
| AKM 3        | RKA1-A4                           | DESPAC3AK  | 1        |                         |  |
| AKM 4        | RKA1-A4                           | DESPAC3AK  | 1        |                         |  |
| AKM 6        | RKA6-A8                           | DESPAC3AK  | 2        |                         |  |
| AKM 7        | RKA6-A8                           | DESPAC3AK  | 2        |                         |  |
| AKM 8        | RKA6-A8                           | DESPAC10AK | 1        |                         |  |

### Replacement filter-elements for standard post-filter

| AKM          | Material required - PMC Order-No. |                            |
|--------------|-----------------------------------|----------------------------|
| Product Code | Filter housing size               | Element grade V, ZP, XP, A |
| AKM 1        | G2                                | 1030ZP                     |
| AKM 2        | G2                                | 1030ZP                     |
| AKM 3        | G2                                | 1030ZP                     |
| AKM 4        | G2                                | 1030ZP                     |
| AKM 6        | G5                                | 1070ZP                     |
| AKM 7        | G5                                | 1070ZP                     |
| AKM 8        | G7                                | 1140ZP                     |



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# AKM 5-115 Series

**GENERATION 0**

**up to 07/2003**



For the maintenance of this product range, a 12-month service-kit and a DESPAC-package are required. When the oil-control indicator shows that activated carbon replacement is required or at least after 12 months operation, this must be carried out. Independent of the level of discolouration in the indicator-tube (P02/ZR), the oil-control indicator must also be replaced.

## 12 and 36 month interval

|                          |                                                       |
|--------------------------|-------------------------------------------------------|
| Material required:       | Service-kit, DESPAC-package(s)                        |
| Service-kit              | 2 x perforated screen with foamed-on gasket           |
| DESPAC-package contents: | Activated carbon available in 3 kg & 10 kg containers |
| Options:                 | Indicator-tube P02/ZR                                 |

| AKM          | Material required - PMC Order-No. |            |          | Options - PMC Order-No. |  |
|--------------|-----------------------------------|------------|----------|-------------------------|--|
| Product Code | Service-kit                       | DESPAC     | Quantity | Others                  |  |
| AKM 5        | RKA1-A4                           | DESPAC3AK  | 1 X      | P02/ZR                  |  |
| AKM 10       | RKA1-A4                           | DESPAC3AK  | 1 X      |                         |  |
| AKM 25       | RKA1-A4                           | DESPAC3AK  | 1 X      |                         |  |
| AKM 35       | RKA1-A4                           | DESPAC3AK  | 1 X      |                         |  |
| AKM 75       | AKMKIT2                           | DESPAC3AK  | 2 X      |                         |  |
| AKM 95       | AKMKIT2                           | DESPAC3AK  | 2 X      |                         |  |
| AKM 115      | AKMKIT2                           | DESPAC10AK | 1 X      |                         |  |

## Replacement filter-elements for standard post-filter

| AKM          | Material required - PMC Order-No. |                            |
|--------------|-----------------------------------|----------------------------|
| Product Code | Filter housing size               | Element grade V, ZP, XP, A |
| AKM 5        | G2                                | 1030ZP                     |
| AKM 10       | G2                                | 1030ZP                     |
| AKM 25       | G2                                | 1030ZP                     |
| AKM 35       | G2                                | 1030ZP                     |
| AKM 75       | G5                                | 1070ZP                     |
| AKM 95       | G5                                | 1070ZP                     |
| AKM 115      | G7                                | 1140ZP                     |



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# AKM 10-95 Series

## GENERATION 3 (OIL-X filter)

from 01/2019

For the maintenance of this product range, a filter element for the installed post-filter and a DESPAC-package are required. When the oil-control indicator shows that activated carbon replacement is required or at least after 12 months operation, this must be carried out. Independent of the level of discolouration in the indicator-tube (P02/ZR), the oil-control indicator must also be replaced. When required, it may be necessary to clean or eventually replace the flow-distributor.

### 12 month interval

Material required:

DESPAC-package contents:

Options:

Filter-element, DESPAC-package(s)

Activated carbon available in 3 kg & 10 kg containers

Indicator-tube P02/ZR, Flow-distributor

| AKM          | Material required - PMC Order-No. |                                |            |          | Options - PMC Order-No. |                  |
|--------------|-----------------------------------|--------------------------------|------------|----------|-------------------------|------------------|
| Product Code | Post-filter                       | Filter-element for post-filter | DESPAC     | Quantity | Indicator tube          | Flow-distributor |
| AKM 10       | AOP025EGMI                        | P025AO                         | DESPAC10AK | 1        | P02/ZR                  | RKSCD-G40/16/AL  |
| AKM 15       | AOP025EGMI                        |                                | DESPAC3AK  | 1        |                         |                  |
|              |                                   |                                | DESPAC10AK | 1        |                         |                  |
| AKM 20       | AOP025EGMI                        |                                | DESPAC3AK  | 2        |                         |                  |
|              |                                   |                                | DESPAC10AK | 1        |                         |                  |
| AKM 25       | AOP030EGMI                        | P030AO                         | DESPAC3AK  | 1        |                         |                  |
|              |                                   |                                | DESPAC10AK | 2        |                         |                  |
| AKM 35       | AOP030EGMI                        |                                | DESPAC10AK | 3        |                         | RKSCD-G40/16/AL  |
| AKM 45       | AOP035EGMI                        |                                | DESPAC3AK  | 1        |                         |                  |
|              |                                   |                                | DESPAC10AK | 3        |                         |                  |
| AKM 60       | AOP040EGMI                        | P040AO                         | DESPAC10AK | 5        |                         |                  |
| AKM 75       | AOP040EGMI                        |                                | DESPAC10AK | 7        |                         |                  |
| AKM 95       | AOP045EGMI                        | P045AO                         | DESPAC10AK | 9        |                         |                  |



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# AKM 10-95 Series

## GENERATION 2

from 07/2011 to 12/2018

For the maintenance of this product range, a filter element for the installed post-filter and a DESPAC-package are required. When the oil-control indicator shows that activated carbon replacement is required or at least after 12 months operation, this must be carried out. Independent of the level of discolouration in the indicator-tube (P02/ZR), the oil-control indicator must also be replaced. When required, it may be necessary to clean or eventually replace the flow-distributor.

### 12 and 36 month interval

Material required: Filter-element (Housing-body O-ring included), DESPAC-package(s)  
 DESPAC-package contents: Activated carbon available in 3 kg & 10 kg containers  
 Options: Indicator-tube P02/ZR, Flow-distributor



| AKM          | Material required - PMC Order-No. |                         |          | Options - PMC Order-No. |                  |
|--------------|-----------------------------------|-------------------------|----------|-------------------------|------------------|
| Product Code | Filter-element for post-filter    | DESPAC                  | Quantity | Others                  | Flow-distributor |
| AKM 10       | CP3025ZL                          | DESPAC10AK              | 1        | P02/ZR                  | RKSCD-G40/16/AL  |
| AKM 15       | CP3025ZL                          | DESPAC3AK<br>DESPAC10AK | 1<br>1   |                         |                  |
| AKM 20       | CP3025ZL                          | DESPAC3AK<br>DESPAC10AK | 2<br>1   |                         |                  |
| AKM 25       | CP3040ZL                          | DESPAC3AK<br>DESPAC10AK | 1<br>2   |                         |                  |
| AKM 35       | CP3040ZL                          | DESPAC10AK              | 3        |                         | RKSCD-G40/16/AL  |
| AKM 45       | CP4040ZL                          | DESPAC3AK<br>DESPAC10AK | 1<br>3   |                         |                  |
| AKM 60       | CP4050ZL                          | DESPAC10AK              | 5        |                         |                  |
| AKM 75       | CP4050ZL                          | DESPAC10AK              | 7        |                         | RKSCD-G50/16/AL  |
| AKM 95       | CP4065ZL                          | DESPAC10AK              | 9        |                         |                  |



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# AK 10-95 Series

## GENERATION 1

from 07/2007 to 06/2011

For the maintenance of this product range, a filter element for the installed post-filter and a DESPAC-package are required. When the oil-control indicator shows that activated carbon replacement is required or at least after 12 months operation, this must be carried out. Independent of the level of discolouration in the indicator-tube (P02/ZR), the oil-control indicator must also be replaced. When required, it may be necessary to clean or eventually replace the flow-distributor.

### 12 month interval

Material required:

DESPAC-package contents:

Options:

Filter-element, DESPAC-package(s)

Activated carbon available in 3 kg & 10 kg containers

Indicator-tube P02/ZR, Flow-distributor

| AK           | Material required – PMC Order-No. |          | Options - PMC Order-No. |                  |
|--------------|-----------------------------------|----------|-------------------------|------------------|
| Product Code | DESPAC                            | Quantity | Others                  | Flow-distributor |
| AK 10        | DESPAC10AK                        | 1        | P02/ZR                  | RKSCD-G40/16/AL  |
| AK 15        | DESPAC3AK                         | 1        |                         |                  |
|              | DESPAC10AK                        | 1        |                         |                  |
| AK 20        | DESPAC3AK                         | 2        |                         |                  |
|              | DESPAC10AK                        | 1        |                         |                  |
| AK 25        | DESPAC3AK                         | 1        |                         | RKSCD-G40/16/AL  |
|              | DESPAC10AK                        | 2        |                         |                  |
| AK 35        | DESPAC10AK                        | 3        |                         |                  |
| AK 45        | DESPAC3AK                         | 1        |                         |                  |
|              | DESPAC10AK                        | 3        |                         |                  |
| AK 60        | DESPAC10AK                        | 5        | P02/ZR                  | RKSCD-G50/16/AL  |
| AK 75        | DESPAC10AK                        | 7        |                         |                  |
| AK 95        | DESPAC10AK                        | 9        |                         |                  |

### Replacement filter elements for pre- and after filters

| AK           | Options - PMC Order-No. |                            | AK           | Options - PMC Order-No. |                            |
|--------------|-------------------------|----------------------------|--------------|-------------------------|----------------------------|
| Product code | Filter housing size     | Element grade V, ZP, XP, A | Product code | Filter housing size     | Element grade V, ZP, XP, A |
| AK 10        | G9                      | 2010ZP                     | AK 45        | G12                     | 2030ZP                     |
| AK 15        | G9                      | 2010ZP                     | AK 60        | G13                     | 2050ZP                     |
| AK 20        | G11                     | 2020ZP                     | AK 75        | G14                     | 3050ZP                     |
| AK 25        | G12                     | 2030ZP                     | AK 95        | G14                     | 3050ZP                     |
| AK 35        | G12                     | 2030ZP                     |              |                         |                            |



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# AKN 200-1400 Series

**GENERATION 0**

**up to 06/2007**

For the maintenance of this product range, a filter element for the installed post-filter and a DESPAC-package are required. When the oil-control indicator shows that activated carbon replacement is required or at least after 12 months operation, this must be carried out. Independent of the level of discolouration in the indicator-tube (P02/ZR), the oil-control indicator must also be replaced. When required, it may be necessary to clean or eventually replace the flow-distributor.

## 12 month interval

Material required: Filter-element, DESPAC-package(s)  
 DESPAC-package contents: Activated carbon available in 3 kg & 10 kg containers  
 Options: Indicator-tube P02/ZR, Flow-distributor



| AKN          | Material required – PMC Order No. |          | Options - PMC Order-No. |
|--------------|-----------------------------------|----------|-------------------------|
| Product Code | DESPAC                            | Quantity | Others                  |
| AKN 200      | DESPAC3AK                         | 1        | P02/ZR                  |
|              | DESPAC10AK                        | 1        |                         |
| AKN 300      | DESPAC3AK                         | 2        |                         |
|              | DESPAC10AK                        | 1        |                         |
| AKN 400      | DESPAC3AK                         | 1        |                         |
|              | DESPAC10AK                        | 2        |                         |
| AKN 500      | DESPAC10AK                        | 3        |                         |
| AKN 600      | DESPAC3AK                         | 1        |                         |
|              | DESPAC10AK                        | 3        |                         |
| AKN 800      | DESPAC10AK                        | 5        |                         |
| AKN 1150     | DESPAC10AK                        | 7        |                         |
| AKN 1400     | DESPAC10AK                        | 9        |                         |

## Replacement filter elements for pre- and after filters

| AKN          | Options - PMC Order-No. |                             | K-MT         | Options - PMC Order-No. |                             |
|--------------|-------------------------|-----------------------------|--------------|-------------------------|-----------------------------|
| Product code | Filter housing size     | Element grade VL, ZL, XL, A | Product code | Filter housing size     | Element grade VL, ZL, XL, A |
| AKN 200      | G9                      | 2010ZP                      | AKN 600      | G12                     | 2030ZP                      |
| AKN 300      | G9                      | 2010ZP                      | AKN 800      | G13                     | 2050ZP                      |
| AKN 400      | G11                     | 2020ZP                      | AKN 1150     | G13                     | 2050ZP                      |
| AKN 500      | G11                     | 2020ZP                      | AKN 1400     | G14                     | 3050ZP                      |



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# AK 120-600 Series AKN 2000-10000 Series

## GENERATION 2

For the maintenance of this product range, a filter element for the installed post-filter and a DESPAC-package are required. When the oil-control indicator shows that activated carbon replacement is required or at least after 12 months operation, this must be carried out. Independent of the level of discolouration in the indicator-tube (P02/ZR), the oil-control indicator must also be replaced. When required, it may be necessary to clean or eventually replace the flow-distributor.

### 12 month interval

Material required:

DESPAC-packages contents:

Options:

Filter-element, GASKIT (4 x flat-gaskets), DESPAC-package(s)

Activated carbon available in 3 kg, 10 kg or 90 kg containers,  
Filler in 10 kg containers.

Indicator-tube P02/ZR, Flow-distributor

| AK/AKN              | Material required – PMC Order No. |          | Options - PMC Order-No. |                                |
|---------------------|-----------------------------------|----------|-------------------------|--------------------------------|
| Product Code        | DESPAC                            | Quantity | Others                  | Flow-distributor               |
| AK 120<br>AKN 2000  | DESPAC3AK                         | 2        | P02/ZR                  | RKSCD-F50/16/VA<br>GASKIT 50   |
|                     | DESPAC90AK                        | 1        |                         |                                |
|                     | DESPAC10FD                        | 3        |                         |                                |
| AK 150<br>AKN 2600  | DESPAC10AK                        | 4        |                         | RKSCD-F65/16/VA<br>GASKIT 65   |
|                     | DESPAC90AK                        | 1        |                         |                                |
|                     | DESPAC10FD                        | 3        |                         |                                |
| AK 200<br>AKN 3100  | DESPAC90AK                        | 2        |                         | RKSCD-F80/16/VA<br>GASKIT 80   |
|                     | DESPAC10FD                        | 4        |                         |                                |
| AK 250<br>AKN 3800  | DESPAC10AK                        | 3        |                         |                                |
|                     | DESPAC90AK                        | 2        |                         |                                |
|                     | DESPAC10FD                        | 5        |                         |                                |
| AK 300<br>AKN 5000  | DESPAC10AK                        | 7        |                         | RKSCD-F100/16/VA<br>GASKIT 100 |
|                     | DESPAC90AK                        | 2        |                         |                                |
|                     | DESPAC10FD                        | 6        |                         |                                |
| AK 380<br>AKN 6000  | DESPAC10AK                        | 5        |                         | RKSCD-F125/16/VA<br>GASKIT 125 |
|                     | DESPAC90AK                        | 3        |                         |                                |
|                     | DESPAC10FD                        | 7        |                         |                                |
| AK 500<br>AKN 8000  | DESPAC10AK                        | 7        |                         |                                |
|                     | DESPAC90AK                        | 4        |                         |                                |
|                     | DESPAC10FD                        | 8        |                         |                                |
| AK 600<br>AKN 10000 | DESPAC10AK                        | 8        |                         |                                |
|                     | DESPAC90AK                        | 5        |                         |                                |
|                     | DESPAC10FD                        | 10       |                         |                                |

## Replacement filter-elements for recommended post-filter

| PMC Order No.           |              | PMC Order No.            |              | PMC Order No.           |              |          | PMC Order No.           |              |          |
|-------------------------|--------------|--------------------------|--------------|-------------------------|--------------|----------|-------------------------|--------------|----------|
| Product Code            | element-Code | Product Code             | element-Code | Product Code            | element-Code | Quantity | Product Code            | element-Code | Quantity |
| Element Grade V, ZP, XP |              | Element Grade VL, ZL, XL |              | Element Grade V, ZP, XP |              |          | Element Grade V, ZP, XP |              |          |
| G12_                    | 2030_        | GL12_                    | CP4040_      | F14_                    | 3050_        | 1        | F40_                    | 3075_        | 4        |
| G13_                    | 2050_        | GL13_                    | CP4050_      | F17_                    | 3075_        | 1        | F60_                    | 3075_        | 6        |
| G14_                    | 3050_        | GL14_                    | CP4065_      | F19_                    | 5075_        | 1        | F80_                    | 3075_        | 8        |
| G17_                    | 3075_        | GL17_                    | CP5065_      | F20_                    | 3075_        | 2        | F100_                   | 3075_        | 10       |
| G18_                    | 5060_        | GL19_                    | CP5080_      | F30_                    | 3075_        | 3        | F120_                   | 3075_        | 12       |
| G19_                    | 5075_        |                          |              |                         |              |          |                         |              |          |

The code spacing\_ should contain the filter-element grade required.

Example: Filter G14XP containing filter-element 3050XP or filter F19XP containing filter-element 5075XP.

The code spacing\_ should contain the filter-element grade required.

Example: Filter GL14XL containing filter-element CP4065XL or filter F19XP containing filter-element 5075XP.



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## ED 3000 Series

### Condensate drains

For the maintenance of this product range, 12, 24, 36 and 48 month service-kits are required together with other components as referenced below.

### Interval 12, 24, 36 and 48 month

Material required: Service-kit

Service-kit contents: Membrane, o-rings, dirt-sieve, valve piston, valve spring, condensate outlet

Options: Hose fitting.

| ED3000 Serie | Material required - PMC Order-No. | Options - PMC Order-No. |
|--------------|-----------------------------------|-------------------------|
| Typ          | Service-kit                       | Others                  |
| ED3002-3100  | SKED3000                          | ED3-KOND.AUSLAS         |



## ED 4100 Series

### Condensate drains

For the maintenance of this product range ED4100, no servicekit is required. If needed a defined repairkit can be provided with components as referenced below.

### Interval: Only if needed

Material required: Repairkit

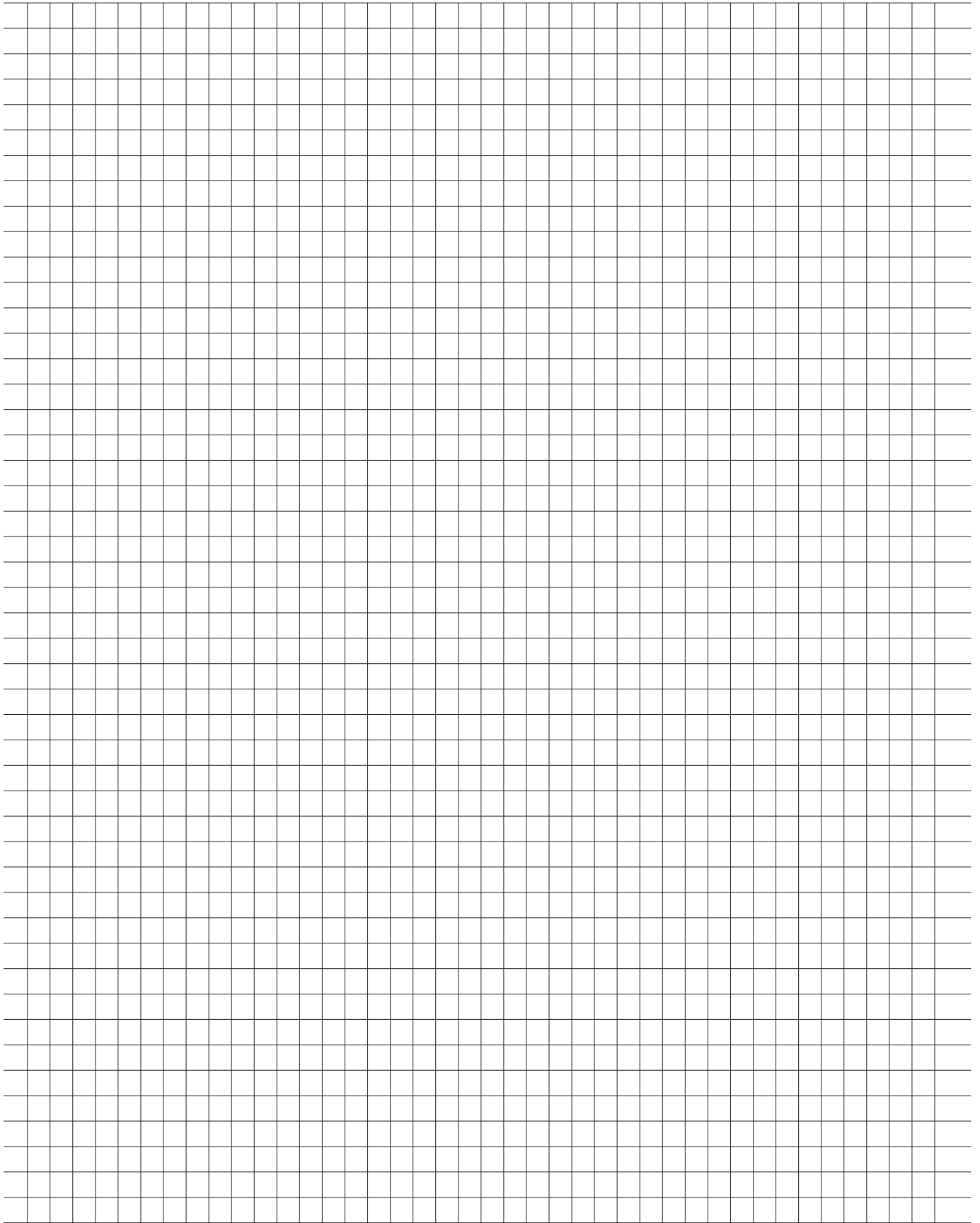
Repairkit contents: 2/2 way solenoid valve, housing o-ring, electrical module o-ring and sensor module o-ring



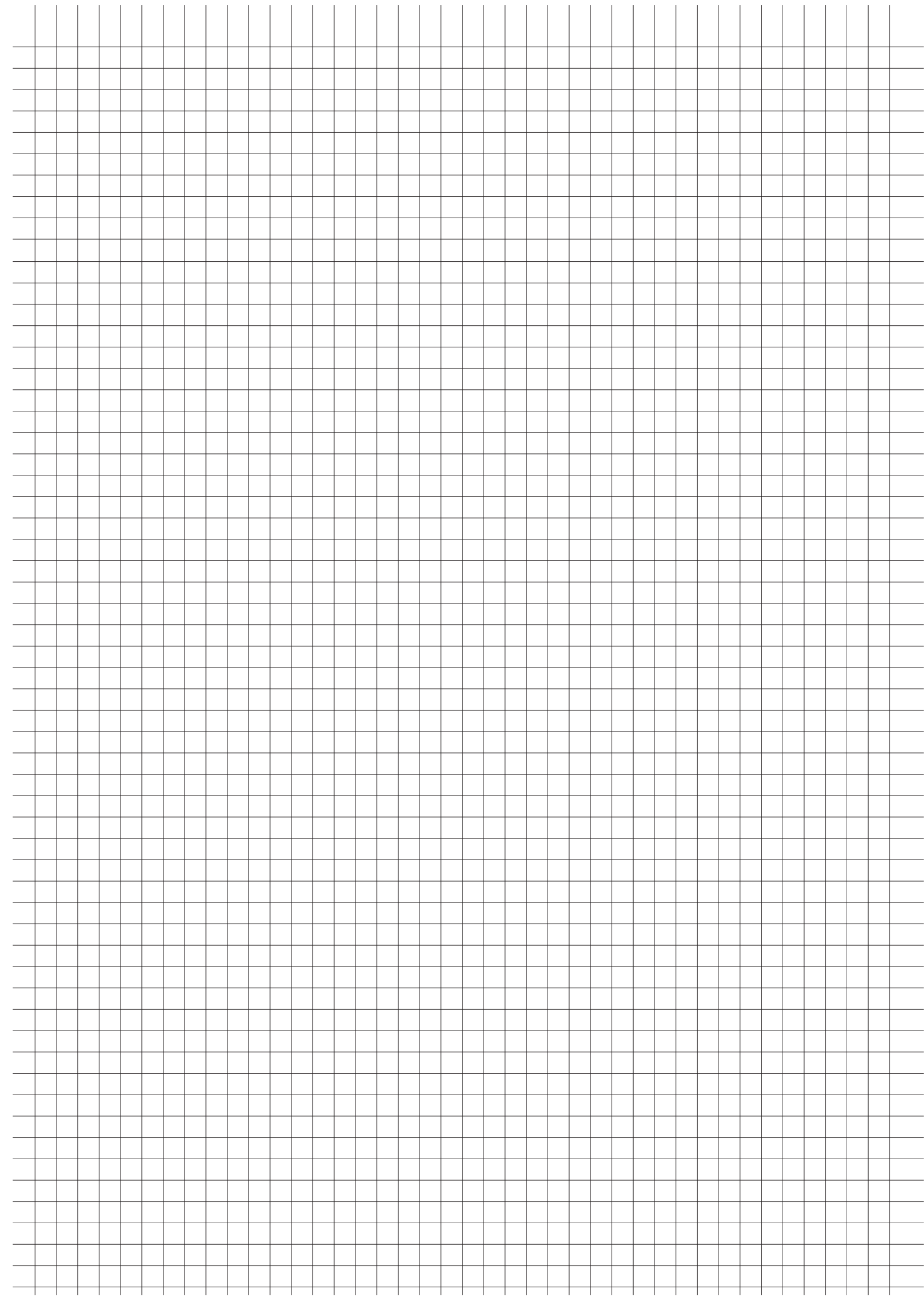
| Series ED4100 |                      | Material required - Order-No. |
|---------------|----------------------|-------------------------------|
| Type          | Pressure range (bar) | Repairkit                     |
| ED4100        | PN16 - PN50          | RKED4100/50                   |



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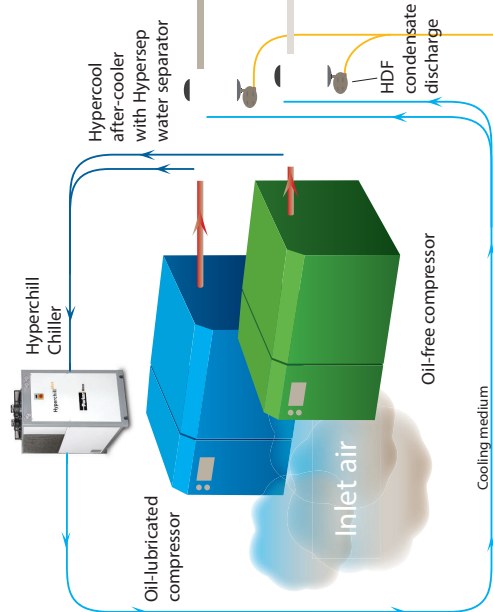




# System planner for compressed air treatment - purity classes for compressed air

## Compressed air generation

- Per day a compressor with 1000 m<sup>3</sup>/h sucks this quantity of contaminants:
- approx. 329 L water (humidity at 25 °C, 60 % RH)
  - millions solids > 2 µm
  - trillions solids < 2 µm
  - up to 72 g oil vapours (hydrocarbons)
- Per day a compressor supplies these 1000 m<sup>3</sup>/h compressed in the compressed air supply network with:
- 100 % RH (water saturated)
  - trillions solids < 2 µm
  - up to 72 g oil (for oil-free compressors) or approx. 24-4320 g oil (for oil-lubricated compressors) [in accordance with VDMA 15390:2014]



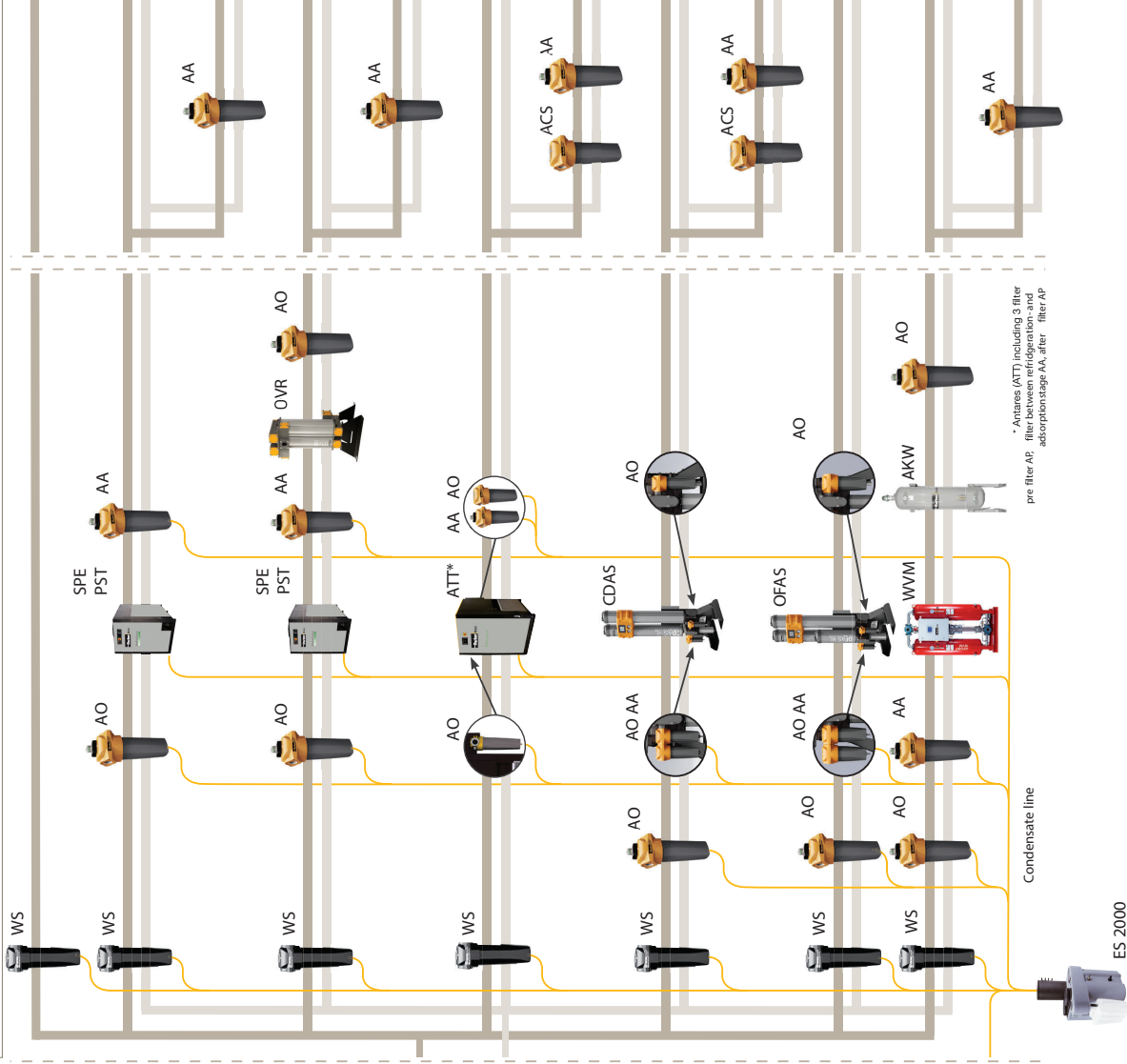
ISO 8573-1:2010

| Class | Solid particulate                                                          |               |            | Water (vapour state) pressure dew-point in °C | Oil (vapour, aerosols, liquids) Content in mg/m <sup>3</sup> |
|-------|----------------------------------------------------------------------------|---------------|------------|-----------------------------------------------|--------------------------------------------------------------|
|       | Maximum number of particles per m <sup>3</sup>                             | Particle size |            |                                               |                                                              |
| 0     | As specified between the supplier and equipment user (better than class 1) | 0.1 - 0.5 µm  | 0.5 - 1 µm | 1 - 5 µm                                      |                                                              |
| 1     | ≤ 20,000                                                                   | ≤ 400         | ≤ 10       | ≤ -70                                         | ≤ 0.01                                                       |
| 2     | < 400,000                                                                  | ≤ 6,000       | ≤ 100      | ≤ -40                                         | ≤ 0.1                                                        |
| 3     | not agreed                                                                 | ≤ 90,000      | ≤ 1,000    | ≤ -20                                         | ≤ 1                                                          |
| 4     | not agreed                                                                 | not agreed    | ≤ 10,000   | ≤ +3                                          | ≤ 5                                                          |
| 5     | not agreed                                                                 | not agreed    | ≤ 100,000  | ≤ +7                                          | not agreed                                                   |

Reference conditions 1 bar, -20 °C, 0 % relative humidity, pressure dew-point at compressor end, pressure of 8 bar

## Centralised compressed air treatment

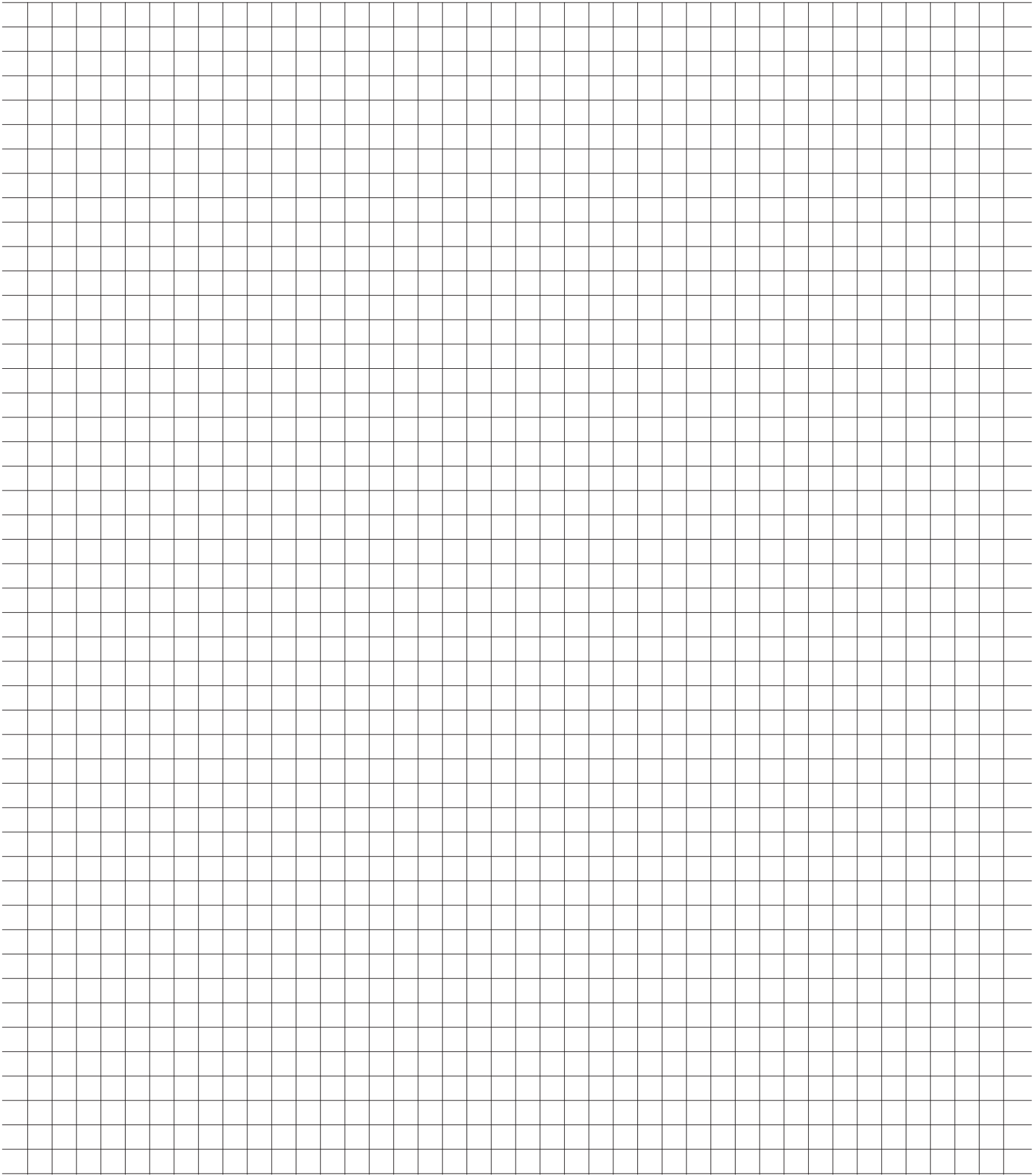
Note: The purity classes under ISO 8573-1 consider a specific measuring point in the compressed air supply grid. Components, such as pipes and isolation valves, influence the compressed air quality and must therefore be suitable for achieving a particular purity class. The treatment lines shown are therefore only provided for orientation.



## Decentralised compressed air treatment

Purity classes acc. to ISO 8573-1:2010

| Particles | Water and moisture | Total oil |
|-----------|--------------------|-----------|
| —         | 7-8                | —         |
| 2         | 4-6                | 2         |
| 1         | 4-6                | 2         |
| 2         | 4-6                | 1         |
| 1         | 4-6                | 1         |
| 2         | 1-4                | 2         |
| 1         | 1-4                | 1         |
| 2         | 1-2                | 2         |
| 1         | 1-2                | 1         |
| 2         | 1-2                | 1         |
| 2         | 1-2                | 1         |
| 1         | 1-2                | 1         |



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