



# PNEUDRI MXLE ADVANTAGE

## Low energy heatless dryer

Preventative Maintenance Guide




















ENGINEERING YOUR SUCCESS.



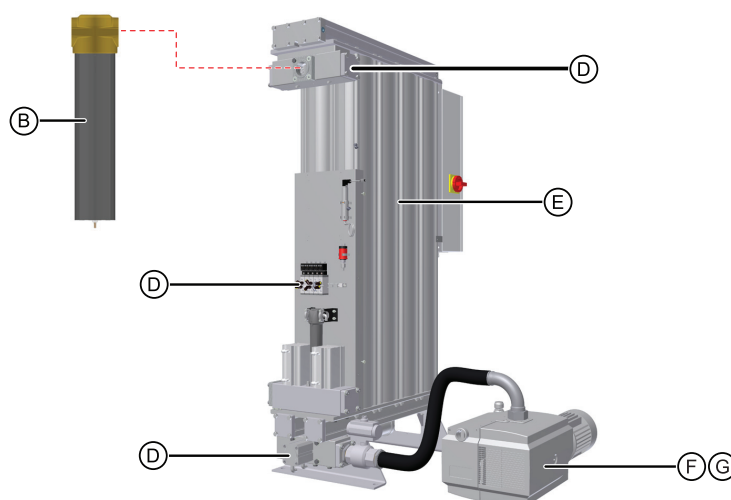
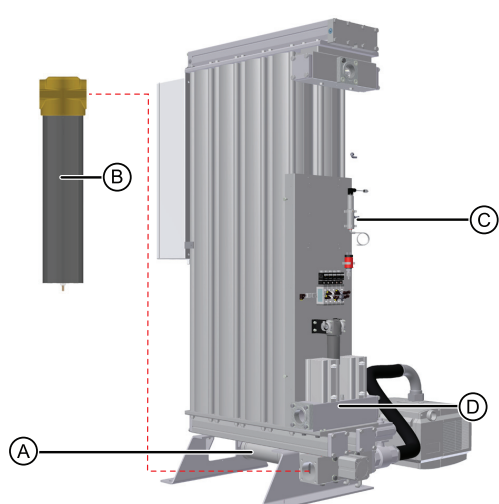
# Servicing

## Service intervals

Description of Service Required		Service recommended every:								
Component	Operation	Day	Week	Monthly	40 Hours	3 month	6 month	9 month	12 month	36 month
Dryer	Check POWER ON and STATUS / FAULT indicators.									
Dryer	Check for air leaks.									
Dryer	Check the pressure gauges during purging for excessive back pressure.									
Dryer	Check the condition of electrical supply cables and conduits.									
Dryer	Check for cyclic operation.									
Vacuum Pump	Check the oil level.									
Vacuum Pump	Clean the coarse separator. <i>(Becker pump only)</i>									<div>C</div>
Vacuum Pump	Check the pipes and screws for leaks and to ensure they are seated properly and if necessary seal again or tighten up.									
Vacuum Pump	Check the terminal box and cable inlet holes for leaks and if necessary re-seal.									
Vacuum Pump	Clean the ventilation slots on the machine and the motor cooling ribs.			<div>C</div>						
Vacuum Pump	Clean the intake air and gas ballast valve filter.			<div>C</div>						
Vacuum Pump	Check for coupling wear.									
Vacuum Pump	Replace the Oil (up to serial no. 16MXL06238) <b>Recommended Service</b> <div>F</div>									
Vacuum Pump	Replace the Oil (From serial no. 16MXL07274 onwards) <b>Recommended Service</b> <div>F</div>									
Dryer	Replace the active exhaust silencers. <b>Recommended Service</b> <div>A</div>									
Filtration	Replace the inlet, outlet and control air filters, and service drains. <b>Recommended Service</b> <div>B</div>									
Dryer	Replace / Calibrate dewpoint transmitter <b>Recommended Service</b> <div>C</div>									
Vacuum Pump	Replace the oil and the oil separation elements <b>Recommended Service</b> <div>G</div>									
Dryer	Replace the valve seats and seals. <b>Recommended Service</b> <div>D</div>									
Dryer	Replace the Desiccant. <b>Recommended Service</b> <div>E</div>									

Key:

✎	Check	C	Clean	✎	Recommended Service
---	-------	---	-------	---	---------------------



## Preventative Maintenance Kits

### First 500 hours Service Kits (from serial number 16MXL07274)

Dryer Model	Pump Model	Pump(s) Capacity	PM Kit Number	Kit Contents	Order Qty
MXLE102C - MXLE103C	VC-150	3.5 Litre	M01.MXLEP.0001	1 Litre Oil	4
MXLE103 - MXLE105	VC-202 or VC-303	8 Litre	M01.MXLEP.0001	1 Litre Oil	3
			M01.MXLEP.0002	5 Litre Oil	1
MXLE106 - MXLE108	VC-202 or VC-303 (duplex pump)	16 Litre	M01.MXLEP.0001	1 Litre Oil	6
			M01.MXLEP.0002	5 Litre Oil	2

### Every 4000 hours Service Kits (from serial number 16MXL07274)

Dryer Model	Pump Model	Pump(s) Capacity	PM Kit Number	Kit Contents	Order Qty
MXLE102C - MXLE103C	VC-150	3.5 Litre	M06.MXLEP.0001	4x 1 Litre Oil + Separators	1
MXLE103 - MXLE105	VC-202 or VC-303	8 Litre	M06.MXLEP.0002	1x 5 Litre Oil, 3x 1 Litre Oil + Separators	1
MXLE106 - MXLE108	VC-202 or VC-303 (duplex pump)	16 Litre	M06.MXLEP.0002	1x 5 Litre Oil, 3x 1 Litre Oil + Separators	2

### Service Kits

Catalogue Number	Description	1	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60	Order Qty
608640004 (up to serial no. 16MXL06238)	Kit: Oil Change			✓		✓		✓		✓		✓		✓		✓		✓		✓		✓	MXLE102C - MXLE105 (x1)
																							MXLE106 - MXLE108 (x2)
608640008 (up to serial no. 16MXL06238)	Kit: Separation Elements				✓				✓				✓					✓				✓	MXLE102C - MXLE105 (x1)
																							MXLE106 - MXLE108 (x2)
608620090 (All dryer models)	Kit: Silencer Element					✓				✓				✓				✓				✓	MXLE102C - MXLE103 (x1)
																							MXLE104 - MXLE106 (x2)
																							MXLE107 - MXLE108 (x3)
608203580 (All dryer models)	Kit: Service Exchange Hygrometer				✓				✓					✓				✓				✓	MXLE102C - MXLE108 (x1)
608640001 (All dryer models)	Kit: Valve Overhaul													✓									MXLE102C - MXLE108 (x1)
608203661 (All dryer models)	Kit: Desiccant AA													✓									Refer to Desiccant Quantity table below
608203662 (All dryer models)	Kit: Desiccant MS													✓									Refer to Desiccant Quantity table below
608203663 (All dryer models)	Kit: Desiccant WS													✓									Refer to Desiccant Quantity table below
608620098 (All dryer models)	Kit: Column Seals MX													✓									MXLE102C - MXLE108 (x1)

### Desiccant Quantities

Description	MXLE102c			MXLE103c			MXLE103			MXLE104			MXLE105			MXLE106			MXLE107			MXLE108		
	-20	-40	-70	-20	-40	-70	-20	-40	-70	-20	-40	-70	-20	-40	-70	-20	-40	-70	-20	-40	-70	-20	-40	-70
Kit: Desiccant AA (11.2 Ltr)	9	8		13	12		16	14		21	19		26	24		31	28		36	33		41	37	
Kit: Desiccant MS (11.2 Ltr)		1	7		2	11		2	13		3	17		3	21		4	25		4	29		6	33
Kit: Desiccant WS (11.2 Ltr)			2			3			4			5			6			7			8			9

Ensure that the dryer is filled using a Snowstorm filler and replace the column seals

### Recommended every 12 months

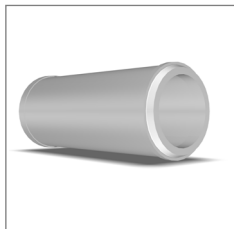


Current Parker donnick hunter Filter Service Kits to be supplied as standard. Please check the filter housing model numbers for correct element suitability.

## Kit Contents



Catalogue No.	Description	Contents
<b>608640004</b> (up to serial no. 16MXL06238)	Kit: Oil Change (Every 6 Months)	7 Litres of oil



Catalogue No.	Description	Contents
<b>608620090</b>	Kit: Silencer Element (Every 12 Months)	Silencer element



Catalogue No.	Description	Contents
<b>608203580</b>	Kit: Service Exchange Hygrometer (Every 12 Months)	Service Exchange transmitter
		Fixed orifice
		o-ring

**Note.** One kit required for each dryer bank with dewpoint transmitter.



Catalogue No.	Description	Contents
<b>608640008</b> (up to serial no. 16MXL06238)	Kit: Separation Elements (Every 12 Months)	Separation elements (x2)



Catalogue No.	Description	Contents
<b>608640001</b>	Kit: Valve Overhaul (Every 36 Months)	Inlet Valve Kit (Catalogue No.608640003)
		Outlet Valve Kit (Catalogue No.608620094)
		Exhaust Valve Kit (Catalogue No.608620095)
		Control Valve Kit (Catalogue No.608640002)
		Repressurisation Valve Kit (Catalogue No. 608620097)

**Note.** One overhaul kit is required for each dryer bank.



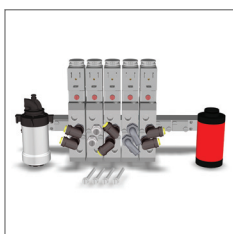
Catalogue No.	Description	Contents
<b>608640003</b>	Kit: Inlet Valve (Every 36 Months)	Cylinder valves
		Associated o-rings
		Fixing screws



Catalogue No.	Description	Contents
608620094	Kit: Outlet Valve (Every 36 Months)	Valve spring assemblies Associated o-rings Fixing nuts and bolts



Catalogue No.	Description	Contents
608620095	Kit: Exhaust Valve (Every 36 Months)	Cylinder valve Elbow fittings Associated o-rings Fixing screws



Catalogue No.	Description	Contents
608640002	Kit: Control Valve (Every 36 Months)	5-Bank valve 010AA filter element E009AA filter element Fixing screws



Catalogue No.	Description	Contents
608620097	Kit: Repressurisation Valve (Every 36 Months)	Cylinder valve Associated o-rings Fixing screws



Catalogue No.	Description	Contents
M01.MXLEP.0001 (From serial no. 16MXL07274 onwards)	1st 500 hrs replacement oil (After First 500 Hrs only)	500 hrs replacement oil



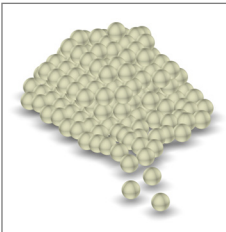
Catalogue No.	Description	Contents
M01.MXLEP.0002 (From serial no. 16MXL07274 onwards)	1st 500 hrs replacement oil (After First 500 Hrs only)	500 hrs replacement oil



Catalogue No.	Description	Contents
M06.MXLEP.0001	VC150 4000 hrs service kit (Every 4000 Hrs)	Oil Separation Elements



Catalogue No.	Description	Contents
M06.MXLEP.0002	VC202/303 4000 hrs service kit (Every 4000 Hrs)	Oil Separation Elements



Catalogue No.	Description	Contents
608203661	Kit: Desiccant AA	11 Litre Container of AA
608203662	Kit: Desiccant MS	11 Litre Container of MS
608203663	Kit: Desiccant WS	11 Litre Container of WS

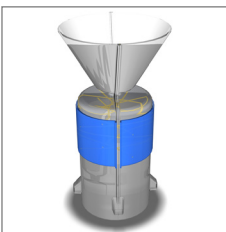
**Note.** The quantity of desiccant material required is dependent upon the model of dryer and the specified dewpoint as illustrated below. Ensure that the dryer is filled using a Snowstorm filler and replace the column seals.

Description	MXLE102c			MXLE103c			MXLE103			MXLE104			MXLE105			MXE106			MXLE107			MXLE108		
	-20	-40	-70	-20	-40	-70	-20	-40	-70	-20	-40	-70	-20	-40	-70	-20	-40	-70	-20	-40	-70	-20	-40	-70
Kit: Desiccant AA (11.2 Ltr)	9	8		13	12		16	14		21	19		26	24		31	28		36	33		41	37	
Kit: Desiccant MS (11.2 Ltr)		1	7		2	11		2	13		3	17		3	21		4	25		4	29		6	33
Kit: Desiccant WS (11.2 Ltr)			2			3			4			5			6			7			8			9



Catalogue Number	Description	Contents
608620098	Kit: Column Seals MX	Column o-rings Outlet plate o-ring

**Note.** One kit is required for each dryer.



Catalogue Number	Description	Contents
608201051	Snowstorm Filler	Jumbo Snowstorm Filler



## ELEMENTS

Parker filters are designed to produce clean compressed air, gas and liquid to the highest industry standards. To maintain impeccable results, Elements within the filter must be replaced annually.

Choosing the Parker brand means you can be assured that Elements are readily available, affordable and the most energy efficient product of its kind on the market. The elements are also supplied in 100% recyclable packaging. An additional advantage of purchasing Parker Elements is that you will reduce your company's carbon footprint by 190kg. This is the equivalent of a 700 mile flight from Edinburgh to Berlin!

Parker Filter Elements also prove to be highly efficient when used in any leading competitor's filters.



## SPECIALISED SERVICES

Parker Specialist Service Engineers test on-site efficiency measuring many variables including airflow, pressure, temperature, dewpoint and power consumption.

Our team of highly trained experts are the best in the industry. They take into account a range of environmental factors that could affect your system's performance. The results from this Specialist Service are extremely accurate and produce invaluable information.

Importantly, Parker informed recommendations lead to significant savings for our customers, which mean they return time and time again for our advice and products.



## SUPPORT SERVICES

Parker Support Services are the first port of call for customers in need of help or guidance.

The fact that this team is responsible for the production of User Guides and Manuals gives you an insight into the level and detail of their parts and product knowledge.

Over-the-phone support is just one way in which Parker's extremely knowledgeable team, quickly reduces downtime or resolves product queries.

On some occasions engineers need to be on site to carry out a repair. In these cases, the local engineer will be quickly dispatched to ensure our customers can return to production as soon as possible.

One-to-one training can also be provided by our Support Services team. This has enabled hundreds of Parker distributors to gain an in-depth understanding. Training will also ensure distributors can make timely repairs and easily maintain their customers' products.



## PARTS

Parker Kits make everyday maintenance easy. They are available for all of our products and are simply value-for money. The Parts within the kits support our customers' varied maintenance, repair and overhaul activities.

Additionally, Preventative Maintenance Kits can be purchased for dryers and gas generators. These kits mean our customers dryer's and generator's can be serviced easily to ensure optimum performance.

An extensive range of durable Parker Parts can be obtained within 24 hours to any European, Middle East or African destination.



## M.R.O

Maintenance Repair & Overhaul - Parker Technicians are the industry's finest. Their skills and qualifications are annually approved to keep their product and legislation knowledge fresh and expertise relevant.

With this in mind, Parker offers onsite and on demand servicing to meet customers' unique requirements in a timely and efficient manner.

Parker MRO service ranges from a basic maintenance check covered under product warranty right through to a comprehensive programme, which even puts the onsite application under the microscope.

With customers at the heart of everything Parker does, the MRO service is no exception to this.

Parker Filter Elements also prove to be highly efficient when used in any leading competitor's filters.





# Parker Worldwide

**AE – UAE, Dubai**

Tel: +971 4 8127100  
parker.me@parker.com

**AR – Argentina, Buenos Aires**

Tel: +54 3327 44 4129

**AT – Austria, Wiener Neustadt**

Tel: +43 (0)2622 23501-0  
parker.austria@parker.com

**AT – Eastern Europe, Wiener Neustadt**

Tel: +43 (0)2622 23501 900  
parker.easteurope@parker.com

**AU – Australia, Castle Hill**

Tel: +61 (0)2-9634 7777

**AZ – Azerbaijan, Baku**

Tel: +994 50 2233 458  
parker.azerbaijan@parker.com

**BE/LU – Belgium, Nivelles**

Tel: +32 (0)67 280 900  
parker.belgium@parker.com

**BR – Brazil, Cachoeirinha RS**

Tel: +55 51 3470 9144

**BY – Belarus, Minsk**

Tel: +375 17 209 9399  
parker.belarus@parker.com

**CA – Canada, Milton, Ontario**

Tel: +1 905 693 3000

**CH – Switzerland, Etoy**

Tel: +41 (0)21 821 87 00  
parker.switzerland@parker.com

**CL – Chile, Santiago**

Tel: +56 2 623 1216

**CN – China, Shanghai**

Tel: +86 21 2899 5000

**CZ – Czech Republic, Klecany**

Tel: +420 284 083 111  
parker.czechrepublic@parker.com

**DE – Germany, Kaarst**

Tel: +49 (0)2131 4016 0  
parker.germany@parker.com

**DK – Denmark, Ballerup**

Tel: +45 43 56 04 00  
parker.denmark@parker.com

**ES – Spain, Madrid**

Tel: +34 902 330 001  
parker.spain@parker.com

**FI – Finland, Vantaa**

Tel: +358 (0)20 753 2500  
parker.finland@parker.com

**FR – France, Contamine s/Arve**

Tel: +33 (0)4 50 25 80 25  
parker.france@parker.com

**GR – Greece, Athens**

Tel: +30 210 933 6450  
parker.greece@parker.com

**HK – Hong Kong**

Tel: +852 2428 8008

**HU – Hungary, Budapest**

Tel: +36 1 220 4155  
parker.hungary@parker.com

**IE – Ireland, Dublin**

Tel: +353 (0)1 466 6370  
parker.ireland@parker.com

**IN – India, Mumbai**

Tel: +91 22 6513 7081-85

**IT – Italy, Corsico (MI)**

Tel: +39 02 45 19 21  
parker.italy@parker.com

**JP – Japan, Tokyo**

Tel: +81 (0)3 6408 3901

**KR – South Korea, Seoul**

Tel: +82 2 559 0400

**KZ – Kazakhstan, Almaty**

Tel: +7 7272 505 800  
parker.easteurope@parker.com

**LV – Latvia, Riga**

Tel: +371 6 745 2601  
parker.latvia@parker.com

**MX – Mexico, Apodaca**

Tel: +52 81 8156 6000

**MY – Malaysia, Shah Alam**

Tel: +60 3 7849 0800

**NL – The Netherlands, Oldenzaal**

Tel: +31 (0)541 585 000  
parker.nl@parker.com

**NO – Norway, Asker**

Tel: +47 66 75 34 00  
parker.norway@parker.com

**NZ – New Zealand, Mt Wellington**

Tel: +64 9 574 1744

**PL – Poland, Warsaw**

Tel: +48 (0)22 573 24 00  
parker.poland@parker.com

**PT – Portugal, Leca da Palmeira**

Tel: +351 22 999 7360  
parker.portugal@parker.com

**RO – Romania, Bucharest**

Tel: +40 21 252 1382  
parker.romania@parker.com

**RU – Russia, Moscow**

Tel: +7 495 645-2156  
parker.russia@parker.com

**SE – Sweden, Spånga**

Tel: +46 (0)8 59 79 50 00  
parker.sweden@parker.com

**SG – Singapore**

Tel: +65 6887 6300

**SK – Slovakia, Banská Bystrica**

Tel: +421 484 162 252  
parker.slovakia@parker.com

**SL – Slovenia, Novo Mesto**

Tel: +386 7 337 6650  
parker.slovenia@parker.com

**TH – Thailand, Bangkok**

Tel: +662 717 8140

**TR – Turkey, Istanbul**

Tel: +90 216 4997081  
parker.turkey@parker.com

**TW – Taiwan, Taipei**

Tel: +886 2 2298 8987

**UA – Ukraine, Kiev**

Tel: +380 44 494 2731  
parker.ukraine@parker.com

**UK – United Kingdom, Warwick**

Tel: +44 (0)1926 317 878  
parker.uk@parker.com

**US – USA, Cleveland**

Tel: +1 216 896 3000

**VE – Venezuela, Caracas**

Tel: +58 212 238 5422

**ZA – South Africa, Kempton Park**

Tel: +27 (0)11 961 0700  
parker.southafrica@parker.com

**European Product Information Centre**

Free phone: 00 800 27 27 5374

(from AT, BE, CH, CZ, DE, EE, ES, FI, FR, IE, IL, IS, IT, LU, MT, NL, NO, PT, SE, SK, UK)

