


PNEUDRI Heatless Dryer

MX102 - MX110

Preventative Maintenance Guide

 Original Language

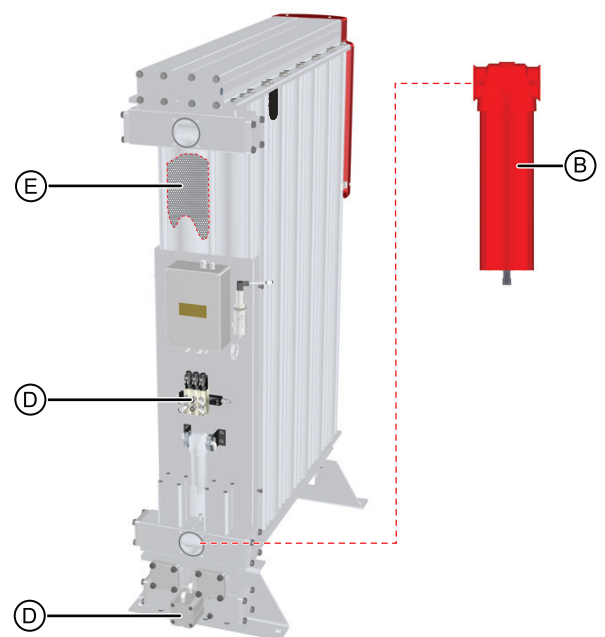
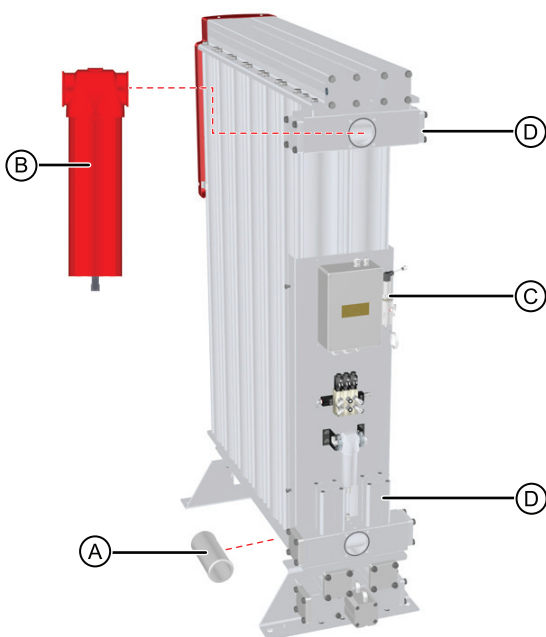


Service intervals

Description of Service Required		Service recommended every:					
Component	Operation	Day	Week	3-month	6-month	12-month	36-month
Dryer	Check POWER ON indicator is illuminated.	☞					
Dryer	Check STATUS / FAULT indicators located on the controller.	☞					
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.				☞		
Dryer	Replace the active exhaust silencers Recommended Service A					🔧	
Filtration	Replace the inlet, outlet and control air filters, and service drains. Recommended Service B					🔧	
Dryer	Replace / Calibrate dewpoint transmitter (DDS Units only). Recommended Service C					🔧	
Dryer	Replace the valve seats and seals. Recommended Service D						🔧
Dryer	Replace the Desiccant. Recommended Service E						🔧

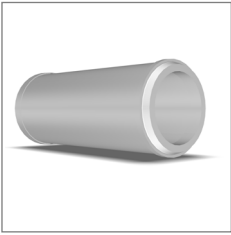
Key:

☞	Check	🔧	Replace
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Preventative Maintenance Kits

Recommended Service A - Required every 12 months



Description	Catalogue Number	Technical Reference	Contents
Kit: Silencer Element	608620090	608620090	Silencer element

Note. The number of kits required is dependent upon the model of dryer as illustrated below.

Description	MX102c	MX103c	MX103	MX104	MX105	MX106	MX107	MX108	MX109	MX110
Kit: Silencer Element	1	1	1	2	2	2	3	3	3	3

Recommended Service B - Required every 12 months



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

Recommended Service C - Required every 12 months



Description	Catalogue Number	Technical Reference	Contents
Kit: Service Exchange Hygrometer	608203580	608203580	Service Exchange transmitter Fixed orifice o-ring

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

Recommended Service D - Required every 36 months

Description	Catalogue Number	Technical Reference	Contents
Kit: Valve Overhaul Kit <9 barg MXA/MXS	608620091	608620091	Inlet Valve Kit (Catalogue No.608620093)
			Outlet Valve Kit (Catalogue No.608620094)
			Exhaust Valve Kit (Catalogue No.608620095)
			Control Valve Kit MXA/MXS (Catalogue No.608620096)

Description	Catalogue Number	Technical Reference	Contents
Kit: Valve Overhaul Kit >9 barg MXA/MXS	608620092	608620092	Inlet Valve Kit (Catalogue No.608620093)
			Outlet Valve Kit (Catalogue No.608620094)
			Exhaust Valve Kit (Catalogue No.608620095)
			Control Valve Kit MXA/MXS (Catalogue No.608620096)
			Repressurisation Valve Kit (Catalogue No.608620097)

Description	Catalogue Number	Technical Reference	Contents
Kit: Valve Overhaul Kit <9 bar MXP	608620121	608620121	Inlet Valve Kit (Catalogue No.608620093)
			Outlet Valve Kit (Catalogue No.608620094)
			Exhaust Valve Kit (Catalogue No.608620095)
			Control Valve Kit MXP (Catalogue No.608620111)

Description	Catalogue Number	Technical Reference	Contents
Kit: Valve Overhaul Kit >9 bar MXP	608620122	608620122	Inlet Valve Kit (Catalogue No.608620093)
			Outlet Valve Kit (Catalogue No.608620094)
			Exhaust Valve Kit (Catalogue No.608620095)
			Control Valve Kit MXP (Catalogue No.608620111)
			Repressurisation Valve Kit (Catalogue No.608620097)

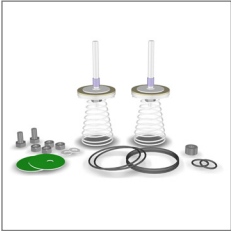
Note. One overhaul kit is required for each dryer bank.

Inlet Valve Kit



Description	Catalogue Number	Technical Reference	Contents
Kit: Inlet Valve	608620093	608620093	Cylinder valves Associated o-rings Fixing screws

Outlet Valve Kit



Description	Catalogue Number	Technical Reference	Contents
Kit: Outlet Valve	608620094	608620094	Valve spring assemblies Associated o-rings Fixing nuts and bolts

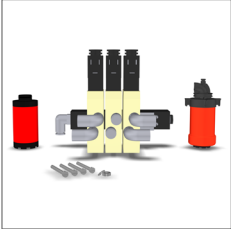
The early dryers (serial number up to MX0806015) will require an upgrade using the outlet valve overhaul kit (Catalogue Number 608620209). Once upgraded the outlet valve kit listed above will be suitable for use on the next service.

Exhaust Valve Kit



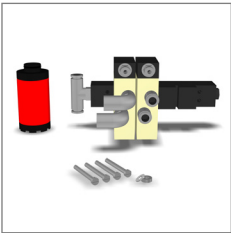
Description	Catalogue Number	Technical Reference	Contents
Kit: Exhaust Valve	608620095	608620095	Cylinder valve Elbow fittings Associated o-rings Fixing screws

Control Valve Kit (MXA/MXS)



Description	Catalogue Number	Technical Reference	Contents
Kit: Control Valve (MXA/MXS)	608620096	608620096	3-Bank solenoid valve 010AA filter element E009AA filter element Fixing screws

Control Valve Kit (MXP)



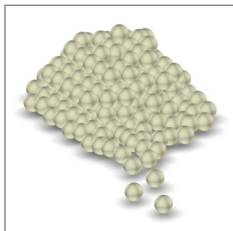
Description	Catalogue Number	Technical Reference	Contents
Kit: Control Valve MXP (Pneumatic)	608620111	608620111	2-Bank solenoid valve E009AA filter element Fixing screws

Repressurisation Valve Kit (MXA/MXS)



Description	Catalogue Number	Technical Reference	Contents
Kit: Repressurisation Valve	608620097	608620097	Cylinder valve Associated o-rings Fixing screws

Recommended Service E - Required every 36 months



Description	Catalogue Number	Technical Reference	Contents
Kit: Desiccant AA	608203661	608203661	11 Litre Container of AA
Kit: Desiccant MS	608203662	608203662	11 Litre Container of MS
Kit: Desiccant WS	608203663	608203663	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.

Desiccant Quantities



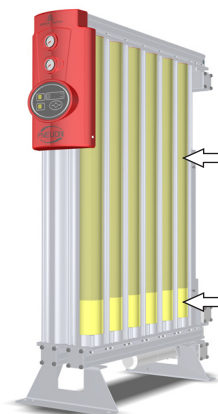
←100% AA

-20°C PDP



←10% MS
←90% AA

-40°C PDP



←80% MS
←20% WS

-70°C PDP

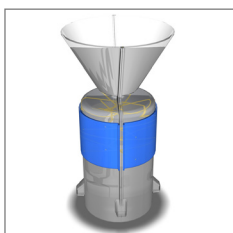
Description	MX102c		MX103c			MX103			MX104			MX105			MX106			MX107			MX108			MX109	MX110	
	-20	-40	-70	-20	-40	-70	-20	-40	-70	-20	-40	-70	-20	-40	-70	-20	-40	-70	-20	-40	-70	-20	-40	-70	-70	
Kit: Desiccant AA (11.2 Ltr)	9	8		13	12		16	14		21	19		26	24		31	28		36	33		41	37			
Kit: Desiccant MS (11.2 Ltr)		1	7		2	11		2	13		3	17		3	21		4	25		4	29		6	33	37	42
Kit: Desiccant WS (11.2 Ltr)			2			3				4		5			6		7		8				9	10	11	

Column Seal Kits Snowstorm Filler



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

Note. One kit is required for each dryer.



Description	Catalogue Number	Technical Reference	Contents
Snowstorm Filler	608201051	608201051	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



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