

# PNEUDRI Heatless Dryer

DX102 - 112 / DXS102 - 112 / DXE102 - 112 / DXP102 - 112

Preventative Maintenance Guide

EN Original Language

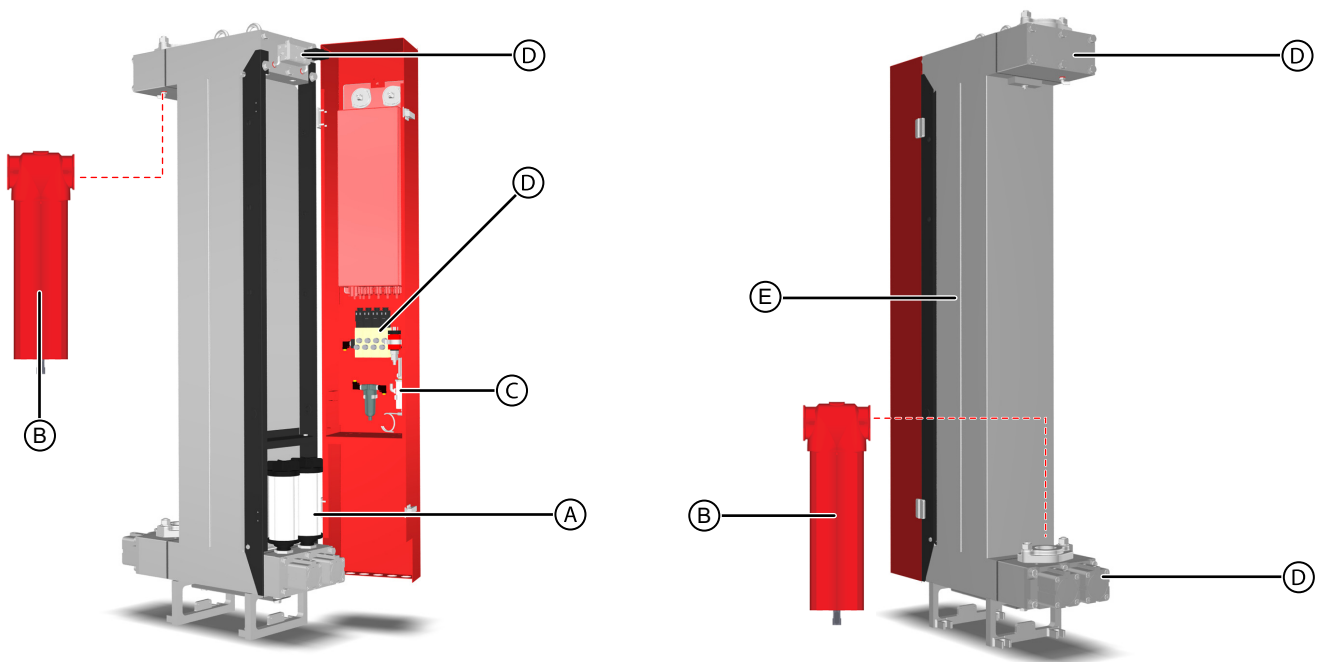


# Service intervals

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 <b>Recommended Service A</b>					🔧	
Filtration	Replace the inlet, outlet and control air filters, and service drains. <b>Recommended Service B</b>					🔧	
Dryer	Replace / Calibrate dewpoint transmitter (DDS Units only). <b>Recommended Service C</b>					🔧	
Dryer	Replace the valve seats and seals. <b>Recommended Service D</b>						🔧
Dryer	Replace the Desiccant. <b>Recommended Service E</b>						🔧

**Key:**

☞	Check	🔧	Replace
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## Preventative Maintenance Kits

### Recommended Service A - Required every 12 months



Description	Catalogue Number	Technical Reference	Contents
Kit: Exhaust Silencer Maxi	608250500	608250500	Exhaust Silencers
Kit: Exhaust Super Silencer Maxi	608250501	608250501	

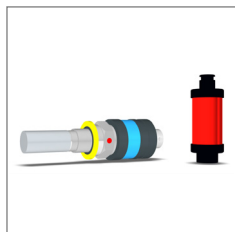
*Note. One kit is required for each dryer.*

### 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: Hygrometer Sensor & Element (Serial Number up to 30487)	608203582	608203582	Sensor Feed element

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



Description	Catalogue Number	Technical Reference	Contents
Kit: Hygrometer Element & Block (Serial Number from 30488 up to 31155)	608203581	608203581	Hygrometer transmitter Transmitter housing Fixed orifice PTFE tubing O-ring Associated fittings Fixings

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



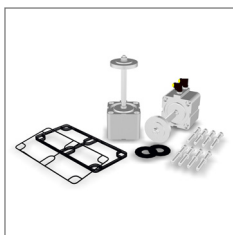
Description	Catalogue Number	Technical Reference	Contents
Kit: Service Exchange Hygrometer	608204125	608204125	Service Exchange transmitter Fixed orifice o-ring

*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 DX - 240V	608250509	608250509	Inlet Valve Kit (Catalogue No.608250502)
			Outlet Valve Kit (Catalogue No.608250503)
			Exhaust Valve Kit (Catalogue No.608250504)
			Control Valve Kit (Catalogue No.608250507)
			Repressurisation Valve Kit (Catalogue No.608250505)
Kit: Valve Overhaul Kit DX - 110V	608250510	608250510	Inlet Valve Kit (Catalogue No.608250502)
			Outlet Valve Kit (Catalogue No.608250503)
			Exhaust Valve Kit (Catalogue No.608250504)
			Control Valve Kit (Catalogue No.608250514)
			Repressurisation Valve Kit (Catalogue No.608250505)
Kit: Valve Overhaul Kit DXP	608250517	608250517	Inlet Valve Kit (Catalogue No.608250502)
			Outlet Valve Kit (Catalogue No.608250503)
			Exhaust Valve Kit (Catalogue No.608250504)
			Control Valve Kit (Catalogue No.608250516)
			Repressurisation Valve Kit (Catalogue No.608250505)
Kit: Valve Overhaul Kit DXE / DXS	608250511	608250511	Inlet Valve Kit (Catalogue No.608250502)
			Outlet Valve Kit (Catalogue No.608250503)
			Exhaust Valve Kit (Catalogue No.608250504)
			Control Valve Kit (Catalogue No.608250547)
			Repressurisation Valve Kit (Catalogue No.608250506)

### Inlet Valve Kit



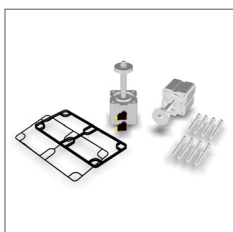
Description	Catalogue Number	Technical Reference	Contents
Kit: Inlet Valve	608250502	608250502	Cylinder valves
			Associated gaskets and o-rings
			Fixing screws

### Outlet Valve Kit



Description	Catalogue Number	Technical Reference	Contents
Kit: Outlet Valve	608250503	608250503	Valve spring assemblies
			Associated gaskets and o-rings
			Fixing nuts

### Exhaust Valve Kit



Description	Catalogue Number	Technical Reference	Contents
Kit: Exhaust Valve	608250504	608250504	Cylinder valve
			Associated o-rings
			Fixing screws

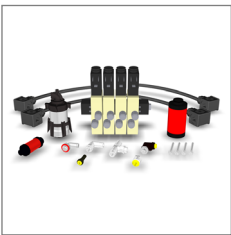
**Control Valve Kit**



Description	Catalogue Number	Technical Reference	Contents
Kit: Control Valve (DX - 240V)	608250507	608250507	Change over valve Logic elements Pilot valves
Kit: Control Valve (DX - 110V)	608250514	608250514	3/2 solenoid valve E003AA filter element Changeover bracket Fixings

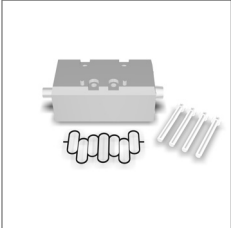


Description	Catalogue Number	Technical Reference	Contents
Kit: Control Valve (DXP)	608250516	608250516	Change over valve Logic elements Pilot valves E003AA filter element Changeover bracket Fixings

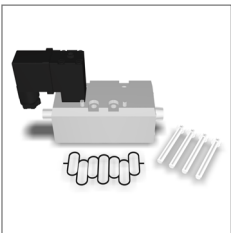


Description	Catalogue Number	Technical Reference	Contents
Kit: Control Valve (DXE / DXS)	608250547	608250547	Solenoid valve assembly Solenoid valve cables 010 AA filter element E0039AA filter element Hygrometer feed element Assorted fittings Fixing screws

**Repressurisation Valve Kit**

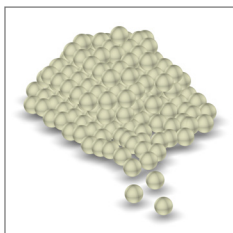


Description	Catalogue Number	Technical Reference	Contents
Kit: Repressurisation Valve (DX - 240V, DX - 110V, DXP)	608250505	608250505	Control spool valve Fixing screws



Description	Catalogue Number	Technical Reference	Contents
Kit: Repressurisation Valve (DXE / DXS)	608250506	608250506	Control spool valve Fixing screws

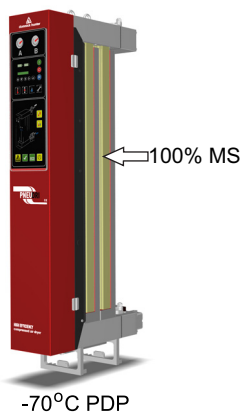
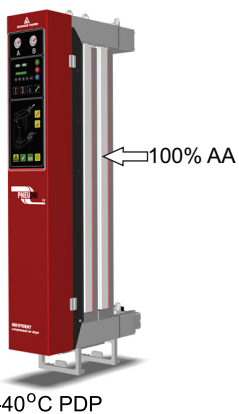
**Recommended Service E - Required every 36 months**



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

*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**



Description	DX102		DX103		DX104		DX105		DX106		DX107		DX108		DX110		DX112
	-40	-70	-40	-70	-40	-70	-40	-70	-40	-70	-40	-70	-40	-70	-40	-70	-70
Kit: Desiccant AA (11.2 Ltr)	4		6		8		10		12		14		16		20		
Kit: Desiccant MS 13X (11.2 Ltr)		4		6		8		10		12		14		16		20	24

**Column Seal Kits**



Description	Catalogue Number	Technical Reference	Contents
Kit: Column Seals Maxi (Serial Number up to 24396)	608203740	608203740	Gaskets O-rings Grommets



Description	Catalogue Number	Technical Reference	Contents
Kit: Column Seals Maxi (Serial Number from 24397 onwards)	608250513	608250513	Gaskets O-rings Grommets

**Snowstorm Filler**



Description	Catalogue Number	Technical Reference	Contents
Snowstorm Filler	608200622	608200622	Maxi / Midi 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.



## 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.



## 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.



## 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



## 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.



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