

# PNEUDRI Heat Regenerative Dryer

DH102 - 110 / DHS102 - 110 / DHE102 - 110

Preventative Maintenance Guide



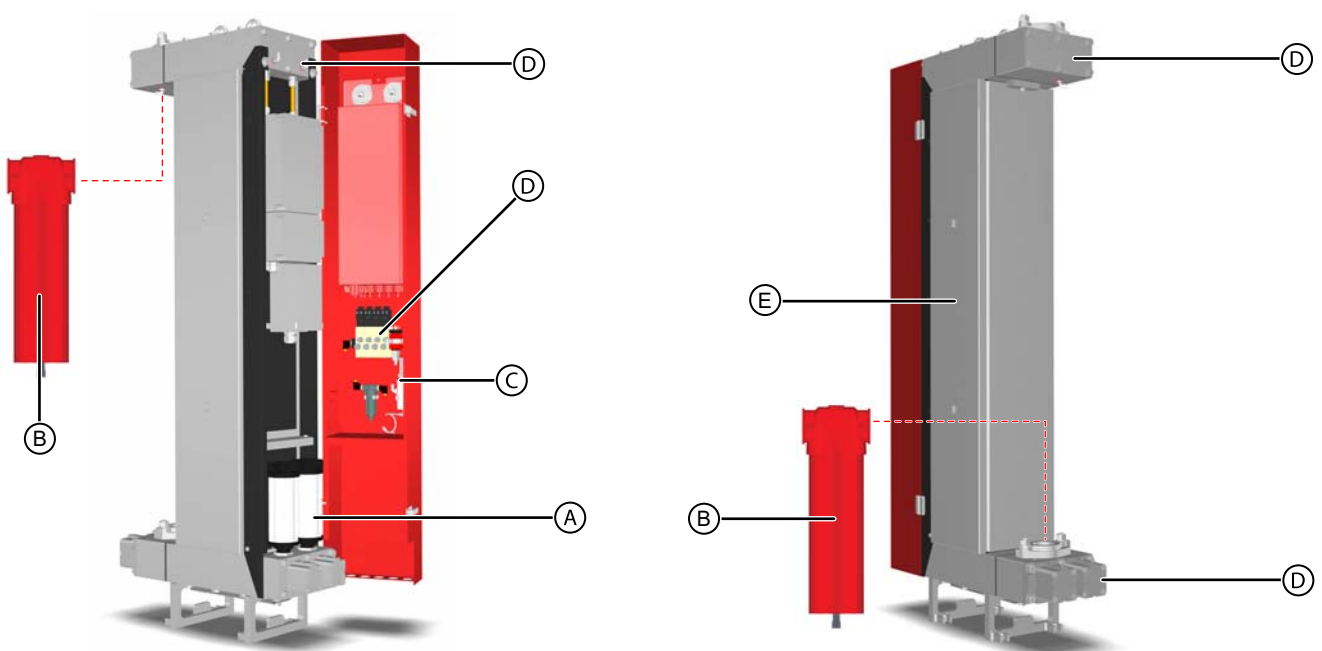
# Service intervals

Description of Service Required		Service recommended every: <sup>(1)</sup>					
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>						🔧

(1) The service operations should be performed at the hours run or fixed time intervals specified (whichever occurs first)

**Key:**

☞	Check	🔧	Replace
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## Preventative Maintenance Kits

### Recommended Service A - Required every 12 months



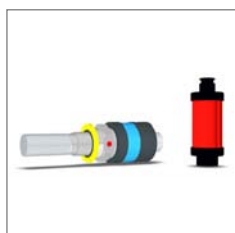
Description	Catalogue Number	Technical Reference	Contents
Kit: Exhaust Silencer Maxi OR	608250500	608250500	Exhaust Silencer (x2)
Kit: Exhaust Super Silencer Maxi	608250501	608250501	Exhaust Silencer (x2)

### 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: Hygrometer Element Assembly (Serial Number from 31156 onwards)	608203580	608203580	Hygrometer transmitter Fixed orifice o-ring

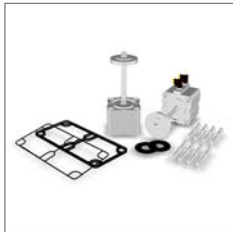
*Note. One kit required for each dryer bank with dewpoint transmitter.*

## Recommended Service D - Required every 36 months

Description	Catalogue Number	Technical Reference	Contents
Kit: Valve Overhaul Kit DH	608250515	608250515	Inlet Valve Kit (Catalogue No.608250502)
			Outlet Valve Kit (Catalogue No.608250503)
			Exhaust Valve Kit (Catalogue No.608250504)
			Control Valve Kit (Catalogue No.608250507)

Description	Catalogue Number	Technical Reference	Contents
Kit: Valve Overhaul Kit DHE / DHS	608250512	608250512	Inlet Valve Kit (Catalogue No.608250502)
			Outlet Valve Kit (Catalogue No.608250503)
			Exhaust Valve Kit (Catalogue No.608250504)
			Control Valve Kit (Catalogue No.608250547)

### Inlet Valve Kit



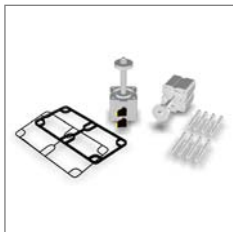
Description	Catalogue Number	Technical Reference	Contents
Kit: Inlet Valve	608250502	608250502	Cylinder valves
			Associated gaskets and o-rings
			Fixing screws

### 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 DH	608250507	608250507	Change over valve
			Logic elements
			Pilot valves
			3/2 solenoid valve
			E003AA filter element
Fixings			



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

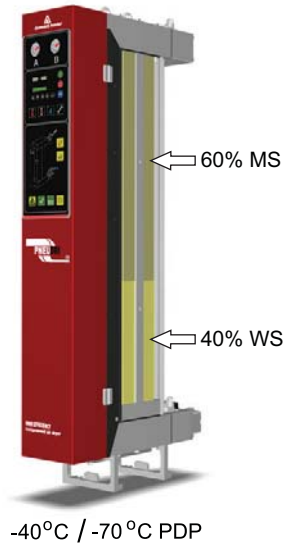
**Recommended Service E - Required every 20000 Hours (36 months)**



Description	Catalogue Number	Technical Reference	Contents
Kit: Desiccant MS 4	608203664	608203664	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**



Description	DH102		DH104		DH106		DH108		DH110	
	-40	-70	-40	-70	-40	-70	-40	-70	-40	-70
Kit: Desiccant MS 4 (11.2 Ltr)	3	3	5	5	8	8	10	10	12	12
Kit: Desiccant WS (11.2 Ltr)	2	2	4	4	5	5	7	7	8	8

**Column Seal Kits Snowstorm Filler**



Description	Catalogue Number	Technical Reference	Contents
Kit: Column Seals Maxi (Serial Number up to 24666)	608203740	608203740	Gaskets O-rings Grommets



Description	Catalogue Number	Technical Reference	Contents
Kit: Column Seals Maxi (Serial Number from 24667 onwards)	608250513	608250513	Gaskets O-rings Grommets



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

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