

# Preventative Maintenance Guide

Rev. 003 NA 07/2013

aerospace  
climate control  
electromechanical  
**filtration**  
fluid & gas handling  
hydraulics  
pneumatics  
process control  
sealing & shielding

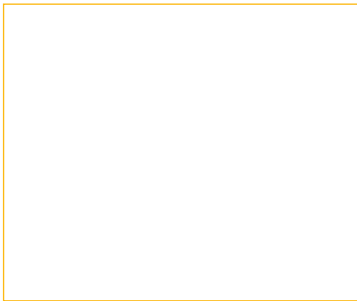
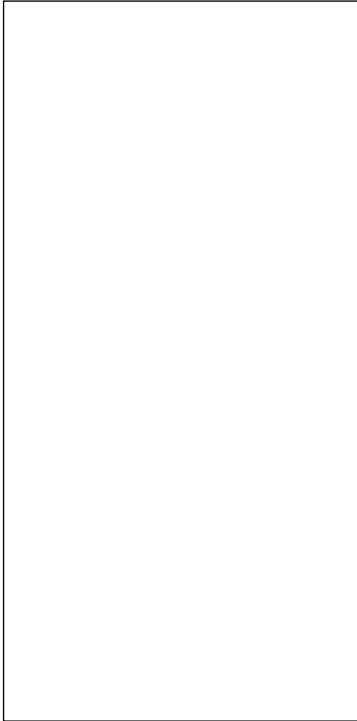


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\*If unit is more than 2 years old, please verify part numbers with customer service prior to ordering.

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# PNEUDRI Heatless Dryer

## Midi DM012 - DM080

Preventative Maintenance Guide

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- climate control
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- pneumatics
- process control
- sealing & shielding



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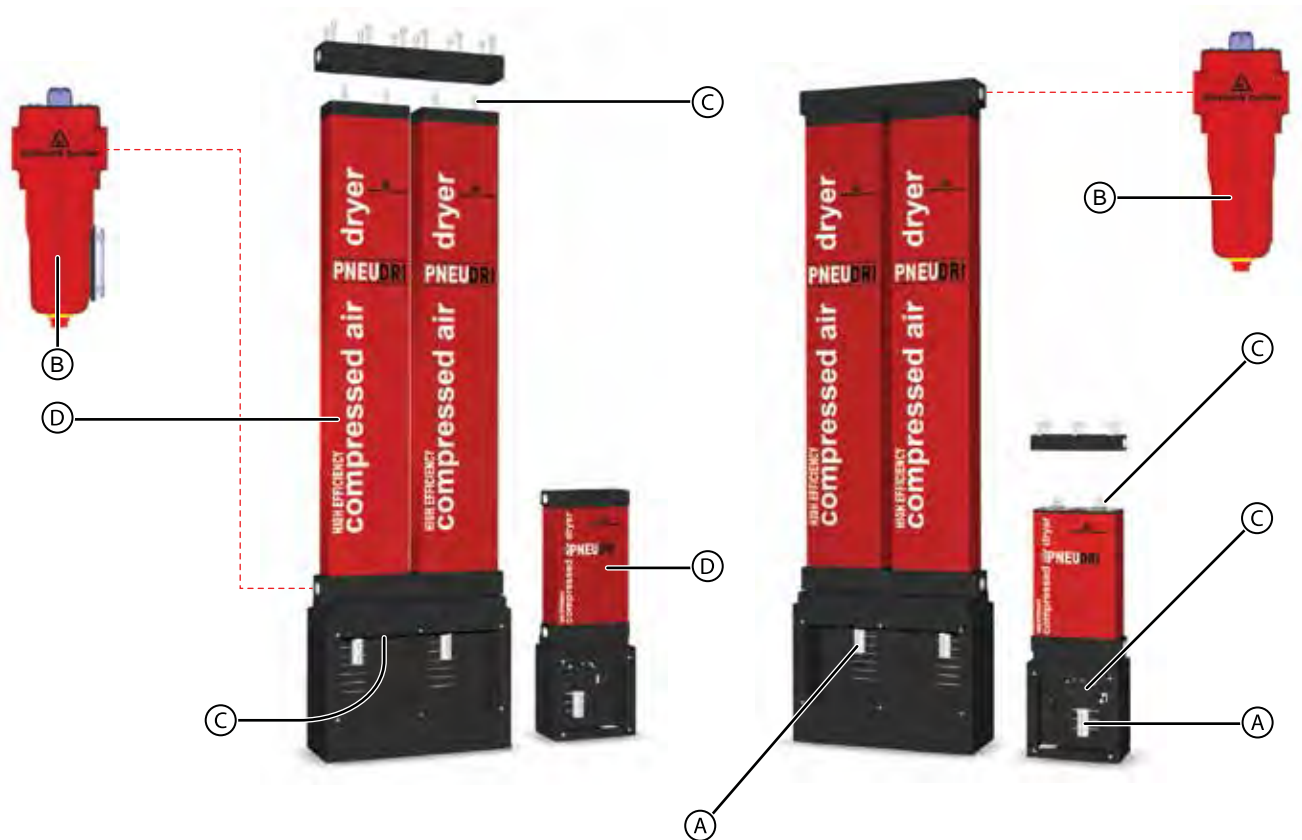
# Service Intervals

Description of Service Recommended							
Component	Operation	Week	3 Months	6 Months	1 Year	2 Years	2.5 Years
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 the valve seats and seals. <b>Recommended Service C</b>					🔧	
Dryer	Replace the Desiccant. <b>Recommended Service D</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

## Recommended Service A - Recommended every Year



Description	DM012 - DM040	DM050 - DM080	Contents
Kit: Exhaust Silencer	608233670	608330001	1/2" Silencer

Note: One kit is recommended for each dryer.

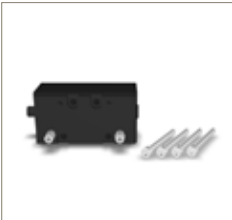
## Recommended Service B - Recommended every Year



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 - Recommended every 2 Years

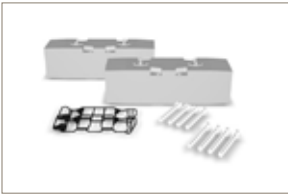
Description	DM012 - DM025	DM030 - DM040	DM050 - DME080	Contents
Kit: Valve Overhaul	60-823-3690	60-823-3691	60-823-3692	Inlet Valve Kit, Outlet Valve Kit, Exhaust Valve Kit, Control Valve Kit



Description	DM012 - DM025	Contents
Kit: Inlet Valve	608233671	ISO 2 Control Valve, Fixing screws



Description	DM030 - DM040	Contents
Kit: Inlet Valve	608233672	5 Port spool valve, Gasket, Fixing screws



Description	DM050 - DM080	Contents
<b>Kit: Inlet Valve</b>	608233673	5 Port spool valve, Gasket, Fixing screws



Description	DM012 - DM025	Contents
<b>Kit: Outlet Valve</b>	608233674	Check valves, Valve seats and guides, Circlips, Associated seals



Description	DM030 - DM040	Contents
<b>Kit: Outlet Valve</b>	608233675	Valve assemblies, Valve guides and stems, Springs



Description	DM050 - DM080	Contents
<b>Kit: Outlet Valve</b>	608233676	Valve assemblies, Valve guides and stems, Springs



Description	DM012 - DM040	Contents
<b>Kit: Exhaust Valve</b>	608233677	2/2 Isolator valve, Exhaust barrel nipple, 90° elbow, 1/8" - 4mm swivel elbow



Description	DM050 - DM080	Contents
<b>Kit: Exhaust Valve</b>	608233679	2/2 Isolator valve, Exhaust barrel nipple, 90° elbow, 1/8" - 4mm swivel elbows



Description	DM012 - DM080	Contents
<b>Kit: Exhaust Valve</b>	608233680	Pilot valves, Fixing screws

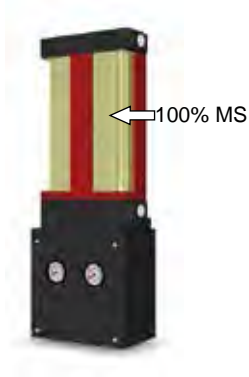
## Recommended Service D - Recommended every 2.5 Years



Description	DM012 - DM080	Contents
<b>Kit: Desiccant AA</b>	60-820-3601	3 Gallon Container of AA
<b>Kit: Desiccant MS</b>	60-820-3662	3 Gallon Container of MS

Note: The quantity of desiccant material recommended 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	DM012		DM015		DM020		DM025		DM030		DM040		DM050		DM060		DM080	
	-40	-70	-40	-70	-40	-70	-40	-70	-40	-70	-40	-70	-40	-70	-40	-70	-40	-70
<b>Kit: Desiccant AA (2.96 gal)</b>	1		1		2		2		2		2		3		4		5	
<b>Kit: Desiccant MS (2.96 gal)</b>		1		1		2		2		2		2		3		4		5

## Column Seal Kits



Description	DM012 - DM080	Contents
<b>Kit: Column Seals MIDI</b>	608203733	Moulded gaskets, Support screens, Column pads, Fixing screws

Note: One kit is recommended for each dryer.

## Snowstorm Filler



Description	DM012 - DM080	Contents
<b>Snowstorm Filler</b>	608200622	Maxi / Midi Snowstorm Filler

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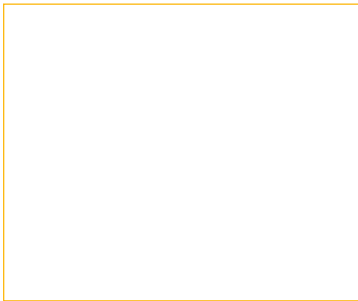
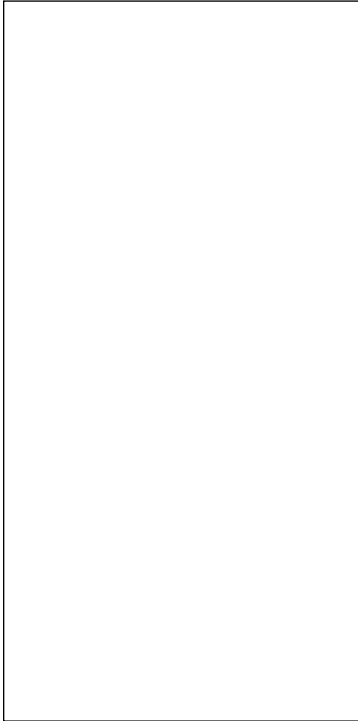
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# PNEUDRI Heatless Dryer

Midi DME012 - DME080

Preventative Maintenance Guide

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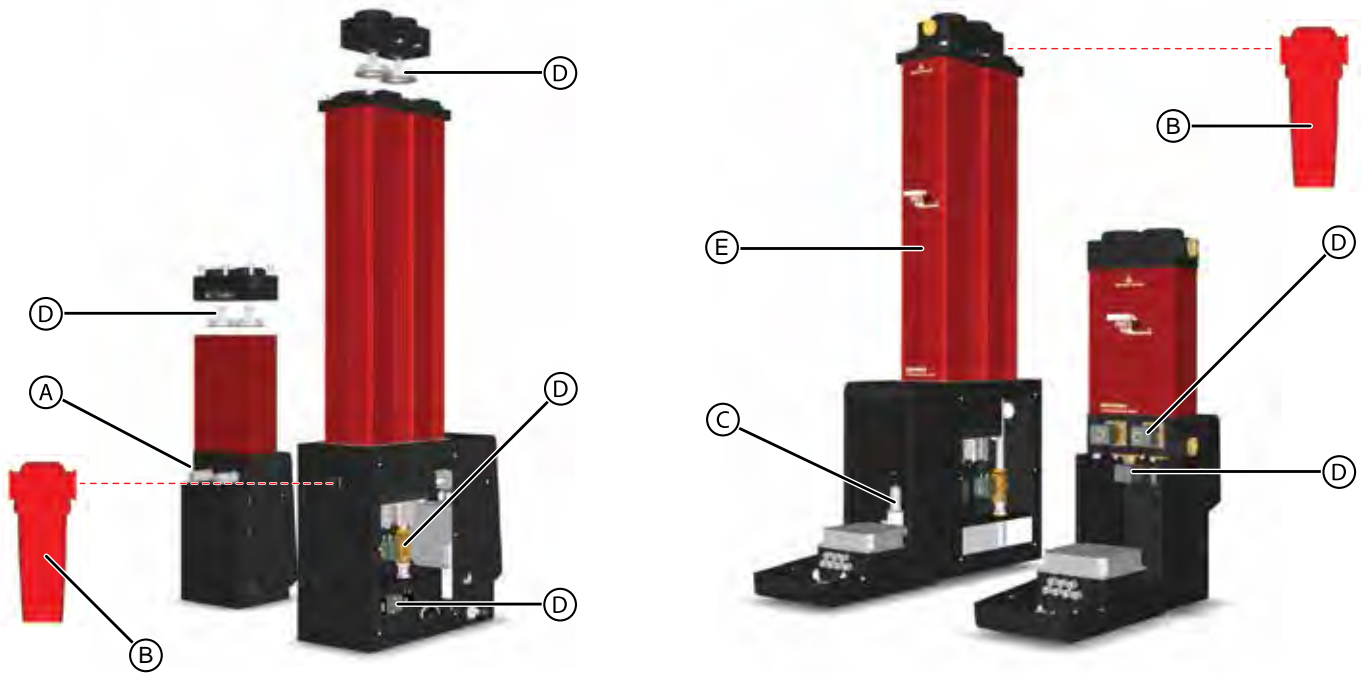
# Service Intervals

Description of Service Recommended								
Component	Operation	Day	Week	3 Months	6 Months	1 Year	2 Years	2.5 Years
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
---	-------	---	---------





# Preventative Maintenance Kits

## Recommended Service A - Recommended every Year



Description	DME012 - DME080	Contents
<b>Kit: Exhaust Silencer DME 012 - 080</b>	608330001	1/2" Silencers

Note: One kit is required for each dryer.

## Recommended Service B - Recommended every Year



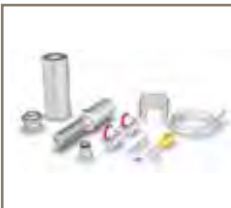
Current Parker domnick hunter Filter Service Kits to be supplied as standard. Please check the filter housing model numbers for correct element suitability.

## Recommended Service C - Recommended every Year



Description	DME012 - DME080	Contents
<b>Kit: Hygrometer Sensor &amp; Element</b> Serial Number up to 46437	608203582	Sensor, Feed element

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



Description	DME012 - DME080	Contents
<b>Kit: Hygrometer Element &amp; Block</b> Serial Number from 46438 up to 50965	608203581	Hygrometer transmitter, Transmitter housing, Fixed orifice, PTFE tubing, O-ring, Associated fittings, Fixings

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



Description	DME012 - DME080	Contents
<b>Kit: Hygrometer Element Assembly</b> Serial Number from 56966 onwards	608203580	Hygrometer transmitter, Fixed orifice, O-ring

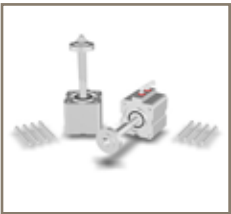
Note: One kit is required for each dryer bank with dewpoint transmitter.

## Recommended Service D - Recommended every 2 Years

Description	DME012 - DME080	Contents
<b>Kit: Valve Overhaul DME 012 - 040</b>	60-833-0006	Inlet Valve Kit (608330002), Outlet Valve Kit (608330003), Exhaust Valve Kit (608330002), Control Valve Kit (608203977)
<b>Kit: Valve Overhaul DME 050 - 080</b>	60-833-0007	Inlet Valve Kit (608330004), Outlet Valve Kit (608330003), Exhaust Valve Kit (608330005), Control Valve Kit (608203977)



Description	DME012 - DME040	Contents
<b>Kit: Inlet Valve</b>	608330002	N/C solenoid valves, Fixing screws



Description	DME050 - DME080	Contents
<b>Kit: Inlet Valve</b>	608330004	Cylinder valves, Associated seals, Fixing screws



Description	DME012 - DME080	Contents
<b>Kit: Outlet Valve</b>	608330003	Check valves, Valve seats and guides, Circlips, Associated seals



Description	DME012 - DME040	Contents
<b>Kit: Exhaust Valve</b>	608330002	N/C solenoid valves, Fixing screws



Description	DME050 - DME080	Contents
<b>Kit: Exhaust Valve</b>	608330005	Exhaust valve assemblies



Description	DME050 - DME080	Contents
<b>Kit: Control Valve</b>	608203977	24V solenoid valve, Fixing screws

## Recommended Service E - Recommended every 2.5 Years



Description	DME012 - DME080	Contents
<b>Kit: Desiccant AA</b>	60-820-3661	3 Gallon Container of AA
<b>Kit: Desiccant MS</b>	60-820-3662	3 Gallon Container of MS

Note: The quantity of desiccant material recommended 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



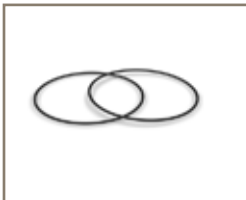
Description	DME012		DME015		DME020		DME025		DME030		DME040		DME050		DME060		DME080	
	-40	-70	-40	-70	-40	-70	-40	-70	-40	-70	-40	-70	-40	-70	-40	-70	-40	-70
<b>Kit: Desiccant AA (2.96 gal)</b>	1		1		2		2		2		2		3		4		5	
<b>Kit: Desiccant MX 13X (2.96 gal)</b>		1		1		2		2		2		2		3		4		5

### Column Seal Kits



Description	DME012 - DME040	Contents
<b>Kit: Column Seals MIDI</b>	608203733	Moulded gaskets, Support screens, Column pads, Fixing screws

Note: One kit is required for each dryer.



Description	DME050 - DME080	Contents
<b>Kit: Column Seals MIDI</b>	608203733	Column o-rings



Description	DME012 - DME040	Contents
<b>Snowstorm Filler</b>	608200622	Maxi / Midi Snowstorm Filler



Description	DME050 - DME080	Contents
<b>Snowstorm Filler</b>	608201051	Jumbo Snowstorm Filler

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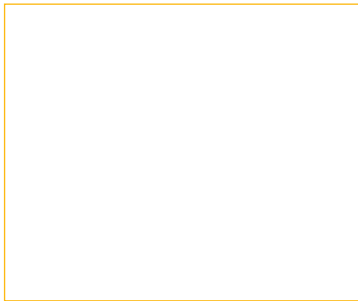
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Sao Paulo, Brazil  
+55 12 4009 3500  
[www.parker.com/br](http://www.parker.com/br)

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Miami, FL  
305 470 8800  
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# PNEUDRI Heatless Dryer

**MX102 - MX110**

Preventative Maintenance Guide

aerospace  
climate control  
electromechanical  
**filtration**  
fluid & gas handling  
hydraulics  
pneumatics  
process control  
sealing & shielding



ENGINEERING **YOUR** SUCCESS.

\*If unit is more than 2 years old, please verify part numbers with customer service prior to ordering.

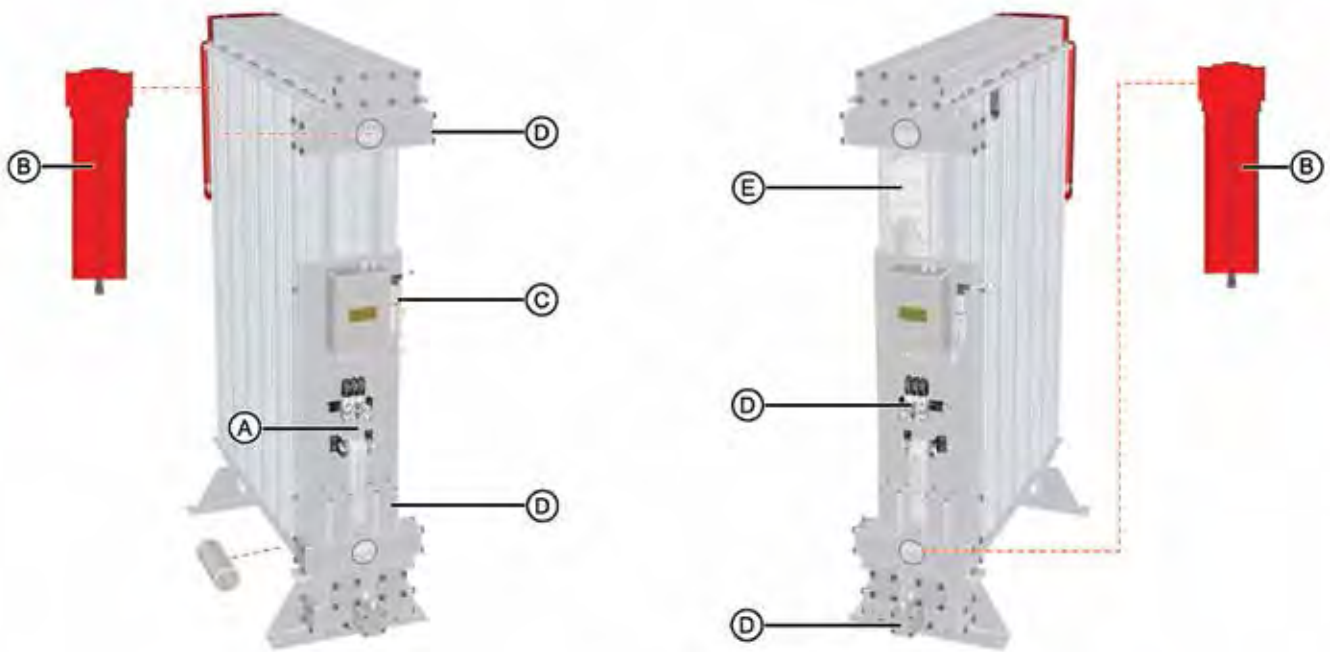
# Service Intervals

Description of Service Recommended (1)								
Component	Operation	Day	Week	3 Months	6 Months	1 Year	2 Years	2.5 Years
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

## Recommended Service A - Recommended every 6 months



Description	MX102 - MX110	Contents
Kit: Silencer Element	608620090	Silencer element

Note: The number of kits Recommended 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 - Recommended every Year



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 - Recommended every Year



Description	MX102 - MX110	Contents
Kit: Hygrometer Element Assembly	608203580	Hygrometer transmitter, Fixed orifice, O-ring

Note: One kit Recommended for each dryer bank with dewpoint transmitter.

## Recommended Service D - Recommended every 2 Years

Description	MX102 - MX110	Contents
Kit: Valve Overhaul Kit <9 barg MXA/MXS	60-862-0091	Inlet Valve Kit (608620093), Outlet Valve Kit (608620094), Exhaust Valve Kit (608620095), Control Valve Kit MXA/MXS (608620096)
Kit: Valve Overhaul Kit >9 barg MXA/MXS	60-862-0092	Inlet Valve Kit (608620093), Outlet Valve Kit (608620094), Exhaust Valve Kit (608620095), Control Valve Kit MXA/MXS (608620096), Repressurization Valve Kit (608620097)
Kit: Valve Overhaul Kit <9 barg MXP	608620121	Inlet Valve Kit (608620093), Outlet Valve Kit (608620094), Exhaust Valve Kit (608620095), Control Valve Kit MXP (608620131)
Kit: Valve Overhaul Kit >9 barg MXP	608620122	Inlet Valve Kit (608620093), Outlet Valve Kit (608620094), Exhaust Valve Kit (608620095), Control Valve Kit MXP (608620096), Repressurization Valve Kit (608620097)

Note: One overhaul kit is recommended for each dryer bank.

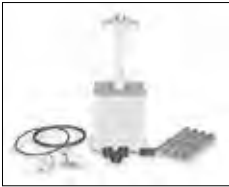


Description	MX102 - MX110	Contents
<b>Kit: Inlet Valve</b>	608620093	Cylinder valves, Associated o-rings, Fixing screws



Description	MX102 - MX110	Contents
<b>Kit: Outlet Valve</b>	608620094	Valve spring assemblies, Associated o-rings, Fixing nuts and bolts

The early dryers (serial number up to MXP0806015) will require an upgrade using the outlet valve overhaul kit. Once upgraded, the outlet valve kit listed above will be suitable for use on the next service.



Description	MX102 - MX110	Contents
<b>Kit: Exhaust Valve</b>	608620095	Cylinder valves, Elbow fittings, Associated o-rings, Fixing screws



Description	MX102 - MX110	Contents
<b>Kit: Control Valve (MXA/MXS)</b>	608620096	3-Bank solenoid valve, 010AA filter element, E009AA filter element, Fixing screws



Description	MX102 - MX110	Contents
<b>Kit: Control Valve MXP (Pneumatic)</b>	608620131	2-Bank solenoid valve, E009AA filter element, Fixing screws



Description	MX102 - MX110	Contents
<b>Kit: Repressurization Valve</b>	608620097	Cylinder valve, Associated o-rings, Fixing screws

## Recommended Service E - Recommended every 2.5 Years



Description	DM012 - DM080	Contents
Kit: Desiccant AA	60-820-3661	3 Gallon Container of AA
Kit: Desiccant MS	60-820-3662	3 Gallon Container of MS
Kit: Desiccant WS	608203663	3 Gallon Container of WS

Note: The quantity of desiccant material recommended 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	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	-70	-70			
Kit: Desiccant AA (2.96 gal)	9	8		13	12		16	14		21	19		26	24		31	28		36	33		41	37			
Kit: Desiccant MS (2.96 gal)		1	7		2	11		2	13		3	17		3	21		4	25		4	29		6	33	37	42
Kit: Desiccant WS (2.96 gal)			2			3			4			5			6			7			8			9	10	11



Description	MX102 - MX110	Contents
Kit: Column Seals MX	608620098	Column o-rings, Outlet plate o-ring

Note: One kit is Recommended for each dryer.



Description	MX102 - MX110	Contents
Snowstorm Filler	608201051	Jumbo Snowstorm Filler

# Worldwide Filtration Manufacturing Locations

## North America

### Compressed Air Treatment Filtration & Separation/Balston

Haverhill, MA  
978 858 0505  
[www.parker.com/balston](http://www.parker.com/balston)

### Finite Airtek Filtration Airtek/domnick hunter/Zander

Lancaster, NY  
716 686 6400  
[www.parker.com/faf](http://www.parker.com/faf)

### Finite Airtek Filtration/Finite

Oxford, MI  
248 628 6400  
[www.parker.com/finitefilter](http://www.parker.com/finitefilter)

### Engine Filtration & Water Purification

**Racor**  
Modesto, CA  
209 521 7860  
[www.parker.com/racor](http://www.parker.com/racor)

### Racor

Holly Springs, MS  
662 252 2656  
[www.parker.com/racor](http://www.parker.com/racor)

### Racor

Beaufort, SC  
843 846 3200  
[www.parker.com/racor](http://www.parker.com/racor)

### Racor – Village Marine Tec.

Gardena, CA  
310 516 9911  
[desalination.parker.com](http://desalination.parker.com)

### Hydraulic Filtration

**Hydraulic Filter**  
Metamora, OH  
419 644 4311  
[www.parker.com/hydraulicfilter](http://www.parker.com/hydraulicfilter)

### Process Filtration

**domnick hunter Process Filtration**  
Oxnard, CA  
805 604 3400  
[www.parker.com/processfiltration](http://www.parker.com/processfiltration)

## Europe

### Compressed Air Treatment domnick hunter Filtration & Separation

Gateshead, England  
+44 (0) 191 402 9000  
[www.parker.com/dhfns](http://www.parker.com/dhfns)

### Parker Gas Separations

Etten-Leur, Netherlands  
+31 76 508 5300  
[www.parker.com/dhfns](http://www.parker.com/dhfns)

### Hiross Zander

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Padova, Italy  
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[www.parker.com/hzd](http://www.parker.com/hzd)

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[www.parker.com/hzd](http://www.parker.com/hzd)

### Engine Filtration & Water Purification

**Racor**  
Dewsbury, England  
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[www.parker.com/rfde](http://www.parker.com/rfde)

### Racor Research & Development

Stuttgart, Germany  
+49 (0)711 7071 290-10  
[www.parker.com/rfde](http://www.parker.com/rfde)

### Hydraulic Filtration

**Hydraulic Filter**  
Arnhem, Holland  
+31 26 3760376  
[www.parker.com/hfde](http://www.parker.com/hfde)

### Urjala Operation

Urjala, Finland  
+358 20 753 2500  
[www.parker.com/hfde](http://www.parker.com/hfde)

### Condition Monitoring Center

Norfolk, England  
+44 1842 763 299  
[www.parker.com/hfde](http://www.parker.com/hfde)

### Process Filtration

**domnick hunter Process Filtration**  
Birtley, England  
+44 (0) 191 410 5121  
[www.parker.com/processfiltration](http://www.parker.com/processfiltration)

## Asia Pacific

### Australia

Castle Hill, Australia  
+61 2 9634 7777  
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## Latin America

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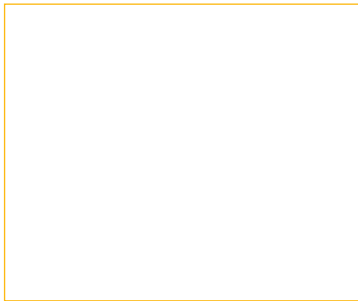
### Pan American Division

Miami, FL  
305 470 8800  
[www.parker.com/panam](http://www.parker.com/panam)

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Aeroporto Kempton Park, South Africa  
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[www.parker.com/africa](http://www.parker.com/africa)





# DBA Blower Purge Desiccant Dryer

## Models DBA100 - DBA800

Preventative Maintenance Guide




- aerospace
- climate control
- electromechanical
- filtration
- fluid & gas handling
- hydraulics
- pneumatics
- process control
- sealing & shielding



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\*If unit is more than 2 years old, please verify part numbers with customer service prior to ordering.

# Service Intervals

Description of Service Recommended		Service recommended every:			
Component	Operation	Day	Week	6 Months	1 Year
Dryer	Check dew point or humidity level if instrumentation is available. Any difficulty with the dryer will result in poor dewpoint performance.	○			
Dryer	Check for correct purge setting and air flow from purge exhaust.	○			
Dryer	Check gauge readings and sequence of operation through complete cycle.	○			
Dryer	Check auto drain operation on pre-filter, separator and receiver. A manual drain valve installed (in addition to the automatic drain) at these points will ease checking of the automatic drains.	○			
Dryer	Ensure there is no back pressure in the regenerating tower.	○			
Filtration	Check differential pressure across pre-filter and afterfilter elements. Replace if required.		○		
Dryer	Check and maintain operating conditions; pressure, flow, and temperature within the design parameters of the dryer.		○		
Dryer	Inspect desiccant for physical condition. Desiccant from a freshly regenerated bed should be white, dry to touch and of consistent size and shape.			○	
Dryer	Check and clean mufflers. This may be required often under certain conditions or if back pressure develops. Mufflers can be cleaned by blowing backwards through them with clean, dry air. Mufflers may require replacement if severely clogged, or after a few cleanings.			○	
Filtration	Replace pre-filter and afterfilter elements. <b>Recommended Repair Service B</b>				
Dryer	Clean automatic drain.			○	
Filtration	Replace control air filter element. <b>Recommended Repair Service B</b>				
Dryer	Check and Slowdown Safety Valves. Refer to manufacturer's instructions.			○	
Dryer	Clean dryer.			○	
Dryer	Check contactors and starters and replace as needed.				
Dryer	Inspect and rebuild Inlet and Exhaust Valves.				○
Dryer	Clean Control Solenoid Valves.				○
Dryer	Return DDS Probe and chip for recalibration, if applicable.				○

## Key:

○	Check		Replace
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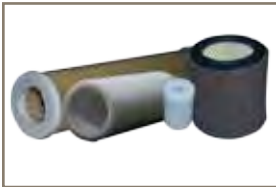
# Preventative Maintenance

## Recommended Repair Service A - Recommended every 6 months



Description	DBA100	DBA200	DBA300	DBA400	DBA500	DBA600	DBA800
Exhaust Muffler	TP4210-1		TP4215-1			TP4220-1	

## Recommended Filter Element Service B - Recommended every 6 months



Description	DBA100	DBA200	DBA300	DBA400	DBA500	DBA600	DBA800
Coalescer Element	025AA	030AA	035AA	040AA	045AA	045AA	050AA
Particulate Element	JE-FC0150-HT (1)	JE-FC0350-HT (1)	JE-FC0350-HT (1)	JE-FC0450-HT (1)	JE-FC0625-HT (1)	JE-FC0625-HT (1)	JE-FC0800-HT (1)
Control Air Filter Element	TP2201-PE	TP2201-PE	TP2201-PE	TP2201-PE	TP2201-PE	TP2201-PE	TP2201-PE
Blower Intake Element	TP1410-E	TP1415-E	TP1415-E	TP1415-E	TP1420-E	TP1420-E	TP1420-E

## Recommended Repair Service C - Recommended every 6 months



Description	DBA100	DBA200	DBA300	DBA400	DBA500	DBA600	DBA800
Heater Contactor	ES5040-2-120	ES5050	ES5050	ES5050	ES5050	ES5050	ES5050
Blower Contactor	ES5025-2	ES5003-5	ES5003-5	ES5003-5	ES5003-5	ES5003-5	ES5003-5
Blower Overload	-	ES5001-1.8	ES5001-3.1	ES5001-3.1	ES5001-6.5	ES5001-6.5	ES5001-8.5

**Recommended Valve Repair Service D - Recommended every Year  
(o-rings, bushings, and spacers)**



Description	DBA100	DBA200	DBA300	DBA400	DBA500	DBA600	DBA800
Kit: Inlet Valve	TP7610-P1-RK	TP7615-P1-RK	TP7615-P1-RK	TP7620-P1-RK	TP7620-P1-RK	TP7620-P1-RK	TP7620-P1-RK
Kit: Exhaust Valve	TP7510-P1-RK	TP7515-P1-RK	TP7515-P1-RK	TP7515-P1-RK	TP7515-P1-RK	TP7515-P1-RK	TP7515-P1-RK
Kit: Outlet Check Valve	TP7410-RK1	TP7415-RK1	TP7415-RK1	TP7420-SW1RK	TP7420-SW1RK	TP7420-SW1RK	TP7420-SW1RK
Kit: Purge Check Valve	TP7410-RK1	TP7415-RK1	TP7415-RK1	TP7415-RK1	TP7420-SW1RK	TP7420-SW1RK	TP7420-SW1RK

**Recommended Desiccant Service - Recommended Every 3-5 Years**

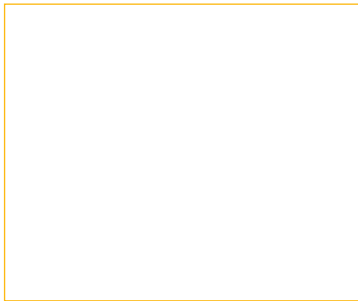


Description	DBA100	DBA200	DBA300	DBA400	DBA500	DBA600	DBA800
Desiccant (50# bag)	PDA-1/8-50	PDA-1/8-50	PDA-1/8-50	PDA-1/8-50	PDA-1/8-50	PDA-1/8-50	PDA-1/8-50

**Desiccant Quantity Recommended ( # of 50 lb bags)**

Description	DBA100	DBA200	DBA300	DBA400	DBA500	DBA600	DBA800
Desiccant	3	6	10	12	15	18	24





# DBA Blower Purge Desiccant Dryer

Models DBA1000 - DBA6000

Preventative Maintenance Guide

- aerospace
- climate control
- electromechanical
- filtration
- fluid & gas handling
- hydraulics
- pneumatics
- process control
- sealing & shielding



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\*If unit is more than 2 years old, please verify part numbers with customer service prior to ordering.

# Service Intervals

Description of Service Recommended		Service recommended every:			
Component	Operation	Day	Week	6 Months	1 Year
Dryer	Dewpoint	○			
Dryer	Proper Purge Setting	○			
Dryer	Proper Heater and Desiccant Bed Temperatures	○			
Dryer	Correct Air Flow from Purge Exhaust	○			
Dryer	Gauge Readings	○			
Filtration	Auto Drain Operation on Pre Filter	○			
Dryer	Back Pressure in Regenerating Tank	○			
Dryer	Drains on Separator, Receiver, and Pre Filter		○		
Dryer	Clean Y-Strainers		○		
Filtration	Pre and After Filter Elements		○		
Dryer	Operating Conditions		○		
Filtration	Blower Inlet Filter		○		
Dryer	Blower		○		
Dryer	Desiccant			○	
Dryer	Mufflers			○	
Filtration	Pre and After Filter Elements <b>Recommended Repair Service A</b>			🔧	
Dryer	Automatic Drain			○	
Filtration	Control Air Filter Element <b>Recommended Repair Service A</b>			🔧	
Dryer	Safety Valves			○	
Filtration	Blower Inlet Filter Element <b>Recommended Repair Service A</b>			🔧	
Dryer	Clean the Dryer			○	
Dryer	Dewpoint			○	
Dryer	Exhaust Mufflers <b>Recommended Repair Service B</b>				🔧
Dryer	Rebuild Inlet and Exhaust Valves <b>Recommended Repair Service C</b>				🔧
Dryer	Clean Control Solenoid Valves				○
Dryer	Replace/Repair Contactors and Starters <b>Recommended Repair Service D</b>				🔧

Key:

○	Check	🔧	Replace
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## Preventative Maintenance

### Recommended Filter Element Service A - Recommended every 6 months



Description	DBA1000	DBA1200	DBA1500	DBA2000	DBA2600	DBA3000	DBA4000	DBA5000	DBA6000
Coalescer Element	055AA (1)	055AA (1)	060AA (3)	060AA (3)	060AA (4)	060AA (6)	060AA (6)	060AA (10)	060AA (10)
Particulate Element	JE-FC1330-HT	JE-FC1330-HT	JE-FE1500-HT	JE-FE1500-HT	JE-FC3000-HT	JE-FC3000-HT	JE-FC4000-HT	JE-FC2500-HT (3)	JE-FC2500-HT (3)
Control Air Filter Element	010AR	010AR	010AR	010AR	010AR	010AR	010AR	010AR	010AR
Blower Intake Element	TP1420-E	TP1430-E	TP1430-E	TP1430-E	TP1440-E	TP1440-E	TP1451-SDB-E	2C040-003	2C040-003

## Recommended Repair Service B - Recommended every Year



Description	DBA1000	DBA1200	DBA1500	DBA2000	DBA2600	DBA3000	DBA4000	DBA5000	DBA6000
Exhaust Muffler	TP4210-1				TP4215-1		TP4220-1		

## Recommended Valve Repair Service C - Recommended every Year (o-rings, bushings, and spacers)



Description	DBA1000	DBA1200	DBA1500	DBA2000	DBA2600	DBA3000	DBA4000	DBA5000	DBA6000
Kit: Inlet Valve	TP7631-BD-HP-RK			TP7641-BD-HP-RK			TP7661-BD-HP-RK		
Kit: Exhaust Valve	TP7520-P1-RK	-	-	-	-	-	-	-	-
Kit: Pre Exhaust Valve	TP7510-P1-RK	TP7510-P1-RK	TP7510-P1-RK	TP7510-P1-RK	TP7515-P1-RK	TP7515-P1-RK	TP7520-P1-RK	TP7520-P1-RK	TP7520-P1-RK
Kit: Outlet Check Valve	TP7431-SWRK	TP7431-SWRK	TP7441-SWRK	TP7441-SWRK	TP7441-SWRK	TP7441-SWRK	TP7461-SWRK	TP7461-SWRK	TP7461-SWRK
Kit: Purge Check Valve	TP7420-SW1RK	TP7431-SWRK	TP7431-SWRK	TP7431-SWRK	TP7441-SWRK	TP7441-SWRK	TP7441-SWRK	TP7461-SWRK	TP7461-SWRK
Kit: 2% Check Valve	-	-	TP7410-RK1	TP7410-RK1	TP7410-RK1	TP7410-RK1	TP7415-RK1	TP7415-RK1	TP7415-RK1
Kit: 2% Cooling Valve	-	-	-	-	-	-	TP7610-P1-RK	TP7610-P1-RK	TP7610-P1-RK
Kit: Repress Valve	-	-	TP7610-P1-RK	TP7610-P1-RK	TP7610-P1-RK	TP7610-P1-RK	TP7615-P1-RK	TP7615-P1-RK	TP7615-P1-RK

## Recommended Repair Service D - Recommended every Year



Description	DBA1000	DBA1200	DBA1500	DBA2000	DBA2600	DBA3000	DBA4000	DBA5000	DBA6000
Heater Contactor	ES5050	ES5075	ES5075	ES5075	ES5075	ES5075	ES5075	ES5075	ES5075
Blower Contactor	ES5003-5	ES5003-5	ES5003-7.5	ES5003-10	ES5003-10	ES5003-10	ES5003-20	ES5003-20	ES5003-30
Blower Overload	ES5001-8.5	ES5001-8.5	ES5001-14	ES5001-14	ES5001-19	ES5001-19	ES5001-25	ES5001-32.0	ES5001-42.0

## Recommended Valve Replacement Service - Recommended every 3-5 Years



Description	DBA1000	DBA1200	DBA1500	DBA2000	DBA2600	DBA3000	DBA4000	DBA5000	DBA6000
Inlet Valve Only	TP7631-BV	TP7631-BV	TP7641-BV	TP7641-BV	TP7641-BV	TP7641-BV	TP7661-BV	TP7661-BV	TP7661-BV
Inlet Valve Actuator	TP7631-BA	TP7631-BA	TP7641-BA	TP7641-BA	TP7641-BA	TP-7641-BA	TP7661-BA	TP7661-BA	TP7661-BA
Exhaust Valve Only	-	TP7532-BV-HT	TP7532-BV-HT	TP7532-BV-HT	TP7542-BV-HT	TP7542-BV-HT	TP7542-BV-HT	TP7542-BV-HT	TP7562-BV-HT
Exhaust Valve Actuator	-	TP7532-BA	TP7532-BA	TP7532-BA	TP7542-BA	TP7542-BA	TP7542-BA	TP7542-BA	TP7562-BA

## Recommended Desiccant Service - Recommended Every 3-5 Years



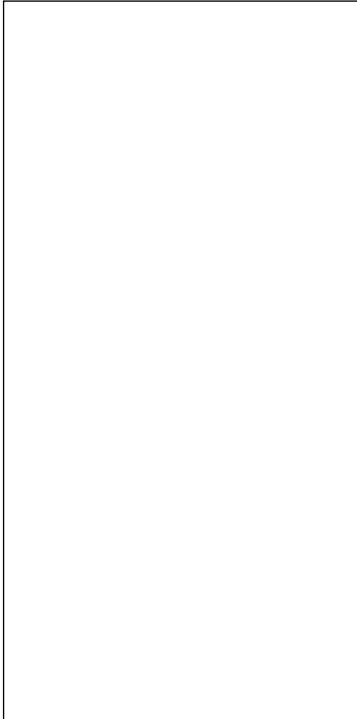
Description	DBA1000	DBA1200	DBA1500	DBA2000	DBA2600	DBA3000	DBA4000	DBA5000	DBA6000
Desiccant (50# bag)	PDA-1/8-50	PDA-1/8-50	PDA-1/8-50	PDA-1/8-50	PDA-1/8-50	PDA-1/8-50	PDA-1/8-50	PDA-1/8-50	PDA-1/8-50

### Desiccant Quantity Recommended ( # of 50 lb bags)

Description	DBA1000	DBA1200	DBA1500	DBA2000	DBA2600	DBA3000	DBA4000	DBA5000	DBA6000
Desiccant	30	35	44	60	80	88	116	144	176







# DHA Externally Heated Desiccant Dryer

Models DHA100 - DHA800  
Preventative Maintenance Guide

- aerospace
- climate control
- electromechanical
- filtration
- fluid & gas handling
- hydraulics
- pneumatics
- process control
- sealing & shielding



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\*If unit is more than 2 years old, please verify part numbers with customer service prior to ordering.

# Service Intervals

Description of Service Recommended		Service recommended every:			
Component	Operation	Day	Week	6 Months	1 Year
Dryer	Dewpoint	○			
Dryer	Proper Purge Setting	○			
Dryer	Proper Heater and Desiccant Bed Temperatures	○			
Dryer	Correct Air Flow from Purge Exhaust	○			
Dryer	Gauge Readings	○			
Filtration	Auto Drain Operation on Pre-Filter	○			
Dryer	Back Pressure in Regenerating Tank	○			
Dryer	Drains on Separator, Receiver, and Pre-Filter		○		
Dryer	Clean Y-Strainers		○		
Filtration	Pre and After Filter Elements		○		
Dryer	Operating Conditions		○		
Dryer	Desiccant			○	
Dryer	Mufflers			○	
Filtration	Pre and After Filter Elements <b>Recommended Repair Service A</b>			🔧	
Dryer	Automatic Drain			○	
Filtration	Control Air Filter Element <b>Recommended Repair Service A</b>			🔧	
Dryer	Safety Valves			○	
Filtration	Blower Inlet Filter Element <b>Recommended Repair Service A</b>			🔧	
Dryer	Clean the Dryer			○	
Dryer	Dewpoint			○	
Dryer	Exhaust Mufflers <b>Recommended Repair Service B</b>				🔧
Dryer	Rebuild Inlet and Exhaust Valves <b>Recommended Repair Service C</b>				🔧
Dryer	Clean Control Solenoid Valves				○
Dryer	Replace/Repair Contactors and Starters <b>Recommended Repair Service D</b>				🔧

**Key:**

○	Check	🔧	Replace
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# Preventative Maintenance

## Recommended Filter Element Service A - Recommended every 6 months



Description	DHA100	DHA130	DHA200	DHA250	DHA300	DHA400	DHA500	DHA600	DHA800
Coalescer Element	025AA	030AA	030AA	035AA	035AA	040AA	045AA	045AA	050AA
Particulate Element	JE-FC0150-HT (1)	JE-FC0150-HT (1)	JE-FC0350-HT (1)	JE-FC0350-HT (1)	JE-FC0350-HT (1)	JE-FC0450-HT (1)	JE-FC0625-HT (1)	JE-FC0625-HT (1)	JE-FC0800-HT (1)
Control Air Filter Element	TP2201-PE	TP2201-PE	TP2201-PE	TP2201-PE	TP2201-PE	TP2201-PE	TP2201-PE	TP2201-PE	TP2201-PE

## Recommended Repair Service B - Recommended every Year



Description	DHA100	DHA130	DHA200	DHA250	DHA300	DHA400	DHA500	DHA600	DHA800
Exhaust Muffler	TP4210-1								

## Recommended Valve Repair Service C - Recommended every Year (o-rings, bushings, and spacers)



Description	DHA100	DHA130	DHA200	DHA250	DHA300	DHA400	DHA500	DHA600	DHA800
Kit: Inlet Valve	TP7610-P1-RK	TP7610-P1-RK	TP7615-P1-RK	TP7615-P1-RK	TP7615-P1-RK	TP7620-P1-RK	TP7620-P1-RK	TP7620-P1-RK	TP7620-P1-RK
Kit: Exhaust Valve	TP7510-P1-RK	TP7510-P1-RK	TP7510-P1-RK	TP7510-P1-RK	TP7510-P1-RK	TP7510-P1-RK	TP7515-P1-RK	TP7515-P1-RK	TP7515-P1-RK
Kit: Pre Exhaust Valve	-	-	-	-	-	TP7510-P1-RK	TP7510-P1-RK	TP7510-P1-RK	TP7510-P1-RK
Kit: Outlet Check Valve	TP7410-RK1	TP7410-RK1	TP7415-RK1	TP7415-RK1	TP7415-RK1	TP7420-SW1RK	TP7420-SW1RK	TP7420-SW1RK	TP7420-SW1RK
Kit: Purge Check Valve	TP7405-RK	TP7405-RK	TP7405-RK	TP7405-RK	TP7405-RK	TP7405-RK	TP7407-RK	TP7407-RK	TP7410-RK1

## Recommended Repair Service D - Recommended every Year



Description	DHA100	DHA130	DHA200	DHA250	DHA300	DHA400	DHA500	DHA600	DHA800
Heater Contactor	ES5040-2-120	ES5040-2-120	ES5040-2-120	ES5040-2-120	ES5050	ES5050	ES5050	ES5050	ES5050

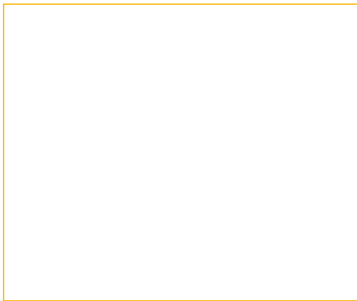
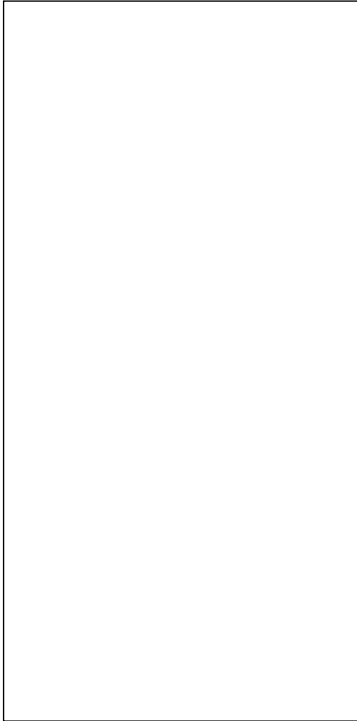
## Recommended Desiccant Service - Recommended Every 3-5 Years



Description	DHA100	DHA130	DHA200	DHA250	DHA300	DHA400	DHA500	DHA600	DHA800
Desiccant (50# bag)	PDA-1/8-50	PDA-1/8-50	PDA-1/8-50	PDA-1/8-50	PDA-1/8-50	PDA-1/8-50	PDA-1/8-50	PDA-1/8-50	PDA-1/8-50

## Desiccant Quantity Recommended ( # of 50 lb bags)

Description	DHA100	DHA130	DHA200	DHA250	DHA300	DHA400	DHA500	DHA600	DHA800
Desiccant	3	4	6	8	10	12	15	18	24



# DHA Externally Heated Desiccant Dryer

**Models DHA1000 - DHA3000**  
Preventative Maintenance Guide

- aerospace
- climate control
- electromechanical
- filtration**
- fluid & gas handling
- hydraulics
- pneumatics
- process control
- sealing & shielding



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\*If unit is more than 2 years old, please verify part numbers with customer service prior to ordering.

# Service Intervals

Description of Service Recommended		Service recommended every:			
Component	Operation	Day	Week	6 Months	1 Year
Dryer	Dewpoint	○			
Dryer	Proper Purge Setting	○			
Dryer	Proper Heater and Desiccant Bed Temperatures	○			
Dryer	Correct Air Flow from Purge Exhaust	○			
Dryer	Gauge Readings	○			
Filtration	Auto Drain Operation on Pre Filter	○			
Dryer	Back Pressure in Regenerating Tank	○			
Dryer	Drains on Separator, Receiver, and Pre Filter		○		
Dryer	Clean Y-Strainers		○		
Filtration	Pre and After Filter Elements		○		
Dryer	Operating Conditions		○		
Dryer	Desiccant			○	
Dryer	Mufflers			○	
Filtration	Pre and After Filter Elements <b>Recommended Repair Service A</b>			🔧	
Dryer	Automatic Drain			○	
Filtration	Control Air Filter Element <b>Recommended Repair Service A</b>			🔧	
Dryer	Safety Valves			○	
Filtration	Blower Inlet Filter Element <b>Recommended Repair Service A</b>			🔧	
Dryer	Clean the Dryer			○	
Dryer	Dewpoint			○	
Dryer	Exhaust Mufflers <b>Recommended Repair Service B</b>				🔧
Dryer	Rebuild Inlet and Exhaust Valves <b>Recommended Repair Service C</b>				🔧
Dryer	Clean Control Solenoid Valves				○
Dryer	Replace/Repair Contactors and Starters <b>Recommended Repair Service D</b>				🔧

**Key:**

○	Check	🔧	Replace
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# Preventative Maintenance

## Recommended Filter Element Service A - Recommended every 6 months



Description	DHA1000	DHA1200	DHA1500	DHA2000	DHA2600	DHA3000
Coalescer Element	055AA (1)	055AA (1)	060AA (3)	060AA (3)	060AA (4)	060AA (6)
Particulate Element	JE-FC1330-HT	JE-FC1330-HT	JE-FC1500-HT	JE-FC1500-HT	JE-FC3000-HT	JE-FC3000-HT
Control Air Filter Element	010AR	010AR	010AR	010AR	010AR	010AR

## Recommended Repair Service B - Recommended every Year



Description	DHA1000	DHA1200	DHA1500	DHA2000	DHA2600	DHA3000
Exhaust Muffler	TP4210-1					

## Recommended Valve Repair Service C - Recommended every Year (o-rings, bushings, and spacers)



Description	DHA1000	DHA1200	DHA1500	DHA2000	DHA2600	DHA3000
Kit: Exhaust Valve	TP7515-P1-RK	TP7520-P1-RK	TP7520-P1-RK	TP7520-P1-RK	-	-
Kit: Outlet Check Valve	TP7431-SWRK	TP7431-SWRK	TP7441-SWRK	TP7441-SWRK	TP7441-SWRK	TP7441-SWRK
Kit: Purge Check Valve	TP7410-RK1	TP7415-RK1	TP7415-RK1	TP7415-RK1	TP7431-SWRK	TP7431-SWRK
Kit: Repress Valve	TP7610-P1-RK	TP7610-P1-RK	TP7610-P1-RK	TP7610-P1-RK	TP7610-P1-RK	TP7610-P1-RK
Kit: Muffler Replacement Cores	TP4230-RK	TP4230-RK	TP4230-RK	TP4230-RK	TP4230-RK	TP4230-RK

## Recommended Repair Service D - Recommended every Year



Description	DHA1000	DHA1200	DHA1500	DHA2000	DHA2600	DHA3000
Heater Contactor	ES5050	ES5050	ES5050	ES5050	ES5075	ES5075

## Recommended Valve Replacement Service - Recommended every 3-5 Years



Description	DHA1000	DHA1200	DHA1500	DHA2000	DHA2600	DHA3000
Inlet Valve Only	TP7631-BV	TP7631-BV	TP7641-BV	TP7641-BV	TP7641-BV	TP7641-BV
Inlet Valve Actuator	TP7631-BA	TP7631-BA	TP7641-BA	TP7641-BA	TP7641-BA	TP-7641-BA
Exhaust Valve Only	-	-	-	-	TP7532-BV	TP7532-BV
Exhaust Valve Actuator	-	-	-	-	TP7532-BA	TP7532-BA

## Recommended Desiccant Service - Recommended Every 3-5 Years



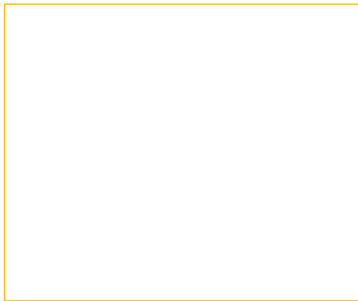
Description	DHA1000	DHA1200	DHA1500	DHA2000	DHA2600	DHA3000
Desiccant (50# bag)	PDA-1/8-50	PDA-1/8-50	PDA-1/8-50	PDA-1/8-50	PDA-1/8-50	PDA-1/8-50

## Desiccant Quantity Recommended ( # of 50 lb bags)

Description	DHA1000	DHA1200	DHA1500	DHA2000	DHA2600	DHA3000
Desiccant	30	35	44	60	80	88







# DTA Series Heatless Desiccant Dryer

Models DTA200 - DTA800

Preventative Maintenance Guide

- aerospace
- climate control
- electromechanical
- filtration
- fluid & gas handling
- hydraulics
- pneumatics
- process control
- sealing & shielding



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\*If unit is more than 2 years old, please verify part numbers with customer service prior to ordering.

# Service Intervals

Description of Service Recommended		Service recommended every:			
Component	Operation	Day	Week	6 Months	1 Year
Dryer	Dewpoint	○			
Dryer	Correct Air Flow from Purge Exhaust	○			
Dryer	Gauge Readings	○			
Filtration	Auto Drain Operation on Pre Filter	○			
Dryer	Back Pressure in Regenerating Tank	○			
Filtration	Differential Pressure Across Pre and After Filter Elements		○		
Dryer	Operating Conditions		○		
Dryer	Desiccant			○	
Dryer	Mufflers			○	
Filtration	Pre and After Filter Elements <b>Recommended Repair Service A</b>			🔧	
Dryer	Automatic Drain			○	
Filtration	Control Air Filter Element <b>Recommended Repair Service A</b>			🔧	
Dryer	Safety Valves			○	
Dryer	Clean the Dryer			○	
Dryer	Exhaust Mufflers <b>Recommended Repair Service B</b>				🔧
Dryer	Rebuild Inlet and Exhaust Valves <b>Recommended Repair Service C</b>				🔧
Dryer	Clean Control Solenoid Valves				○

**Key:**

○	Check	🔧	Replace
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# Preventative Maintenance

## Recommended Filter Element Service A - Recommended every 6 months



Description	DTA200	DTA250	DTA300	DTA400	DTA500	DTA600	DTA800
Coalescer Element	030AA	035AA	035AA	040AA	045AA	045AA	050AA
Particulate Element	030AR	035AR	035AR	040AR	045AR	045AR	050AR
Control Air Filter Element	TP2201-PE	TP2201-PE	TP2201-PE	TP2201-PE	TP2201-PE	TP2201-PE	TP2201-PE

## Recommended Repair Service B - Recommended every Year



Description	DTA200	DTA250	DTA300	DTA400	DTA500	DTA600	DTA800
Exhaust Muffler	TP4210-1			TP4215-1			

## Recommended Valve Repair Service C - Recommended every Year (o-rings, bushings, and spacers)



Description	DTA200	DTA250	DTA300	DTA400	DTA500	DTA600	DTA800
Kit: Inlet Valve	TP7615-P1-RK	TP7615-P1-RK	TP7615-P1-RK	TP7620-P1-RK	TP7620-P1-RK	TP7620-P1-RK	TP7620-P1-RK
Kit: Exhaust Valve	TP7510-P1-RK	TP7510-P1-RK	TP7510-P1-RK	TP7515-P1-RK	TP7515-P1-RK	TP7515-P1-RK	TP7515-P1-RK
Kit: Outlet Check Valve	TP7415-RK1	TP7415-RK1	TP7415-RK1	TP7420-SW1RK	TP7420-SW1RK	TP7420-SW1RK	TP7420-SW1RK
Kit: Purge Check Valve	TP7405-RK	TP7407-RK	TP7407-RK	TP7407-RK	TP7410-RK	TP7410-RK	TP7410-RK

## Recommended Desiccant Service - Recommended Every 3-5 Years

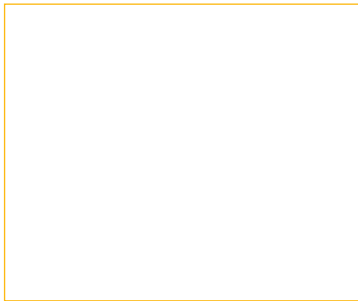


Description	DTA200	DTA250	DTA300	DTA400	DTA500	DTA600	DTA800
Desiccant (50# bag)	PDA-1/8-50	PDA-1/8-50	PDA-1/8-50	PDA-1/8-50	PDA-1/8-50	PDA-1/8-50	PDA-1/8-50

## Desiccant Quantity Recommended ( # of 50 lb bags)

Description	DTA200	DTA250	DTA300	DTA400	DTA500	DTA600	DTA800
Desiccant	5	6	7	10	12	14	19





# DTA Series Heatless Desiccant Dryer

Models DTA1000 - DTA3000  
Preventative Maintenance Guide

aerospace  
climate control  
electromechanical  
filtration  
fluid & gas handling  
hydraulics  
pneumatics  
process control  
sealing & shielding



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\*If unit is more than 2 years old, please verify part numbers with customer service prior to ordering.

# Service Intervals

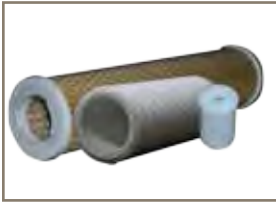
Description of Service Recommended		Service recommended every:			
Component	Operation	Day	Week	6 Months	1 Year
Dryer	Dewpoint	○			
Dryer	Correct Air Flow from Purge Exhaust	○			
Dryer	Gauge Readings	○			
Filtration	Auto Drain Operation on Pre Filter	○			
Dryer	Back Pressure in Regenerating Tank	○			
Filtration	Differential Pressure Across Pre and After Filter Elements		○		
Dryer	Operating Conditions		○		
Dryer	Desiccant			○	
Dryer	Mufflers			○	
Filtration	Pre and After Filter Elements <b>Recommended Repair Service A</b>			🔧	
Dryer	Automatic Drain			○	
Filtration	Control Air Filter Element <b>Recommended Repair Service A</b>			🔧	
Dryer	Safety Valves			○	
Dryer	Clean the Dryer			○	
Dryer	Exhaust Mufflers <b>Recommended Repair Service B</b>				🔧
Dryer	Rebuild Inlet and Exhaust Valves <b>Recommended Repair Service C</b>				🔧
Dryer	Clean Control Solenoid Valves				○

**Key:**

○	Check	🔧	Replace
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# Preventative Maintenance

## Recommended Filter Element Service A - Recommended every 6 months



Description	DTA1000	DTA1200	DTA1500	DTA2000	DTA2600	DTA3000
Coalescer Element	055AA (1)	055AA (1)	060AA (3)	060AA (3)	060AA (4)	060AA (6)
Particulate Element	055AR (1)	055AR (1)	060AR (3)	060AR (3)	060AR (3)	060AR (6)
Control Air Filter Element	010AR	010AR	010AR	010AR	010AR	010AR

## Recommended Repair Service B - Recommended every Year



Description	DTA1000	DTA1200	DTA1500	DTA2000	DTA2600	DTA3000
Exhaust Muffler	TP4230-1					

## Recommended Valve Repair Service C - Recommended every Year (o-rings, bushings, and spacers)



Description	DTA1000	DTA1200	DTA1500	DTA2000	DTA2600	DTA3000
Kit: Inlet Valve	TP7631-BD-HP-RK			TP7641-BD-HP-RK		
Kit: Exhaust Valve	TP7515-P1-RK	TP7520-P1-RK	TP7520-P1-RK	TP7520-P1-RK	TP7631-BD-HP-RK	
Kit: Outlet Check Valve	TP7431-SWRK	TP7431-SWRK	TP7441-SWRK	TP7441-SWRK	TP7441-SWRK	TP7441-SWRK
Kit: Purge Check Valve	TP7410-RK1	TP7415-RK1	TP7415-RK1	TP7415-RK1	TP7431-SWRK	TP7431-SWRK
Kit: Repress Valve	TP7610-P1-RK	TP7610-P1-RK	TP7610-P1-RK	TP7610-P1-RK	TP7610-P1-RK	TP7610-P1-RK
Kit: Muffler Replacement Cores	TP4230-RK	TP4230-RK	TP4230-RK	TP4230-RK	TP4230-RK	TP4230-RK

## Recommended Valve Replacement Service - Recommended every 3-5 Years



Description	DTA1000	DTA1200	DTA1500	DTA2000	DTA2600	DTA3000
Inlet Valve Only	TP7631-BV	TP7631-BV	TP7641-BV	TP7641-BV	TP7641-BV	TP7641-BV
Inlet Valve Actuator	TP7631-BA	TP7631-BA	TP7641-BA	TP7641-BA	TP7641-BA	TP7641-BA
Exhaust Valve Only	-	-	-	-	TP7532-BV	TP7532-BV
Exhaust Valve Actuator	-	-	-	-	TP7532-BA	TP7532-BA

## Recommended Desiccant Service - Recommended Every 3-5 Years

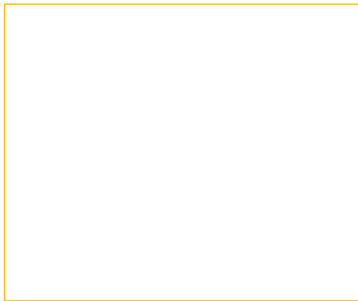


Description	DBA1000	DBA1200	DBA1500	DBA2000	DBA2600	DBA3000
Desiccant (50# bag)	PDA-1/8-50	PDA-1/8-50	PDA-1/8-50	PDA-1/8-50	PDA-1/8-50	PDA-1/8-50

## Desiccant Quantity Recommended ( # of 50 lb bags)

Description	DBA1000	DBA1200	DBA1500	DBA2000	DBA2600	DBA3000
Desiccant	24	29	42	48	62	72





# ThermalStar Smart

## Models TMS200 - TMS1000

Preventative Maintenance Guide

aerospace  
climate control  
electromechanical  
**filtration**  
fluid & gas handling  
hydraulics  
pneumatics  
process control  
sealing & shielding



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\*If unit is more than 2 years old, please verify part numbers with customer service prior to ordering.

# Service Intervals

Description of Service Recommended		Service recommended every:			
Component	Operation	Day	Week	Month	1 Year
Dryer	Check control panel indicators.	○			
Dryer	Check and clean drain line Y-Strainer.		🛡️		
Dryer	Check and clean condensing coil fins. (air cooled units only)			🛡️	
Dryer	Compressor oil level sight glass			○	
Filtration	Depressurized dryer. Replace pre- and after filter elements. <b>Recommended Service A</b>				🔧
Dryer	Check for refrigerant leaks.				○
Dryer	Depressurized dryer. Complete drain solenoid maintenance. <b>Recommended Service B</b>				🛡️

**Key:**

○	Check	🔧	Replace	🛡️	Maintenance
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## Preventative Maintenance

### Recommended Service A - Annually



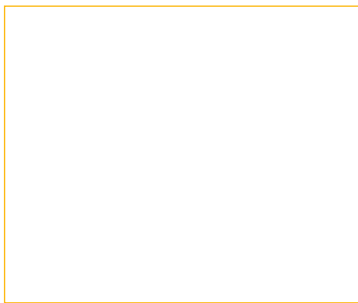
Description	TMS200	TMS250	TMS325	TMS400	TMS500	TMS700	TMS850	TMS1000
Pre Filter Element	030AO	035AO	035AO	040AO	045AO	050AO	055AO	055AO
After Filter Element	030AA	035AA	035AA	040AA	045AA	050AA	055AA	055AA

### Recommended Service B - Maintain and Replace as Recommended



Description	TMS200	TMS250	TMS325	TMS400	TMS500	TMS700	TMS850	TMS1000
Drain Solenoid Valve	TP8002-1							





# ThermalStar Smart

## Models TM1250 - TMS3000

Preventative Maintenance Guide

aerospace  
climate control  
electromechanical  
**filtration**  
fluid & gas handling  
hydraulics  
pneumatics  
process control  
sealing & shielding



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\*If unit is more than 2 years old, please verify part numbers with customer service prior to ordering.

# Service Intervals

Description of Service Recommended		Service recommended every:			
Component	Operation	Week	Month	6 Months	1 Year
Dryer	Check and clean drain line Y-Strainer.	🛡️			
Dryer	Check compressor oil level.		○		
Dryer	Check and clean condensing coil. (Air Cooled Units)		🛡️		
Dryer	Check and clean condenser. (Water Cooled Units)		🛡️		
Dryer	Check fan control switches. (Air Cooled Units)		○		
Filtration	Check coalescing filter element, replace if recommended.		○		
Dryer	Replace coalescing filter element. <b>Recommended Service A</b>			🔧	
Dryer	Check high pressure switch.				○
Dryer	Check low pressure switch.				○
Dryer	Drain solenoid maintenance <b>Recommended Service B</b>				🛡️
Filtration	Check and replace pre filter if present.				🔧

## Key:

○	Check	🔧	Replace	🛡️	Maintenance
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## Preventative Maintenance

### Recommended Service A - Annually



Description	TM1250	TM1600	TM2050	TM2500	TM3000
Coalescing Filter Element	JE1600-C10	JE1600-C10	(3) JE1000-C10	(3) JE1000-C10	JE3000-C10

### Recommended Service B - Maintain and Replace as Recommended



Description	TM1250	TM1600	TM2050	TM2500	TM3000
Upper Drain Solenoid Valve #1	TP8002	TP8002	TP8005-1	TP8005-1	TP8005-1

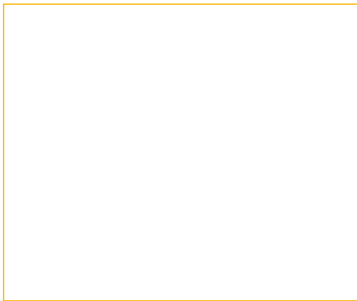
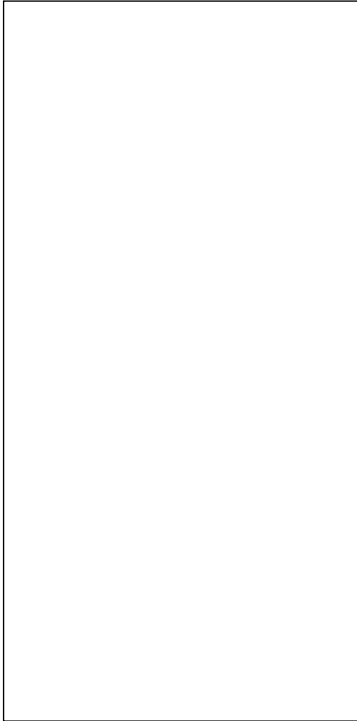
Description	TM1250	TM1600	TM2050
Lower Drain Solenoid Valve #2	TP8002-1	TP8003	TP8005-1

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TM Maintenance Guide Rev 001 NA 05/2013



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# Non-Cycling Dryer

## Models DNC200 - DNC1200

Preventative Maintenance Guide

- aerospace
- climate control
- electromechanical
- filtration
- fluid & gas handling
- hydraulics
- pneumatics
- process control
- sealing & shielding



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\*If unit is more than 2 years old, please verify part numbers with customer service prior to ordering.

# Service Intervals

Description of Service Recommended		Service recommended every:			
Component	Operation	Day	Week	Month	1 Year
Dryer	Check control panel indicators.	○			
Dryer	Check and clean drain line Y-Strainer.		🛡️		
Dryer	Check and clean condensing coil fins. (air cooled units only)			🛡️	
Dryer	Compressor oil level sight glass			○	
Filtration	Depressurized dryer. Replace pre- and after filter elements. <b>Recommended Service A</b>				🔧
Dryer	Check for refrigerant leaks.				○
Dryer	Depressurized dryer. Complete drain solenoid maintenance. <b>Recommended Service B</b>				🛡️

Key:

○	Check	🔧	Replace	🛡️	Maintenance
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## Preventative Maintenance

### Recommended Service A - Annually

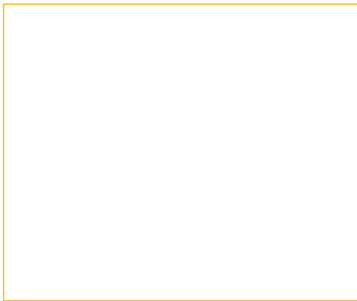
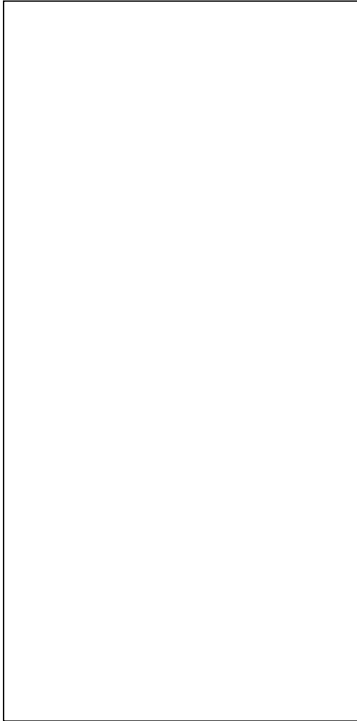


Description	DNC200	DNC250	DNC325	DNC400	DNC500	DNC700	DNC850	DNC1050	DNC1200
Pre Filter Element	030AO	035AO	035AO	040AO	045AO	050AO	050AO	055AO	055AO
After Filter Element	030AA	035AA	035AA	040AA	045AA	050AA	050AA	055AA	055AA

### Recommended Service B - Maintain and Replace as Recommended

Description	DNC200	DNC250	DNC325	DNC400	DNC500	DNC700	DNC850	DNC1050	DNC1200
Drain Solenoid Valve	TP8002-1								





# ZDHHT Series

## High Inlet Temperature Refrigerated Air Dryers

Preventative Maintenance Guide

aerospace  
climate control  
electromechanical  
**filtration**  
fluid & gas handling  
hydraulics  
pneumatics  
process control  
sealing & shielding



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# Service Intervals

Description of Service Recommended		Service recommended every:			
Component	Operation	Day	Week	4 Months	1 Year
Dryer	Check POWER ON indicator is lit.	○			
Dryer	Check control panel indicators.	○			
Dryer	Check condensate drain.		🛡️		
Dryer	Clean condenser/aftercooler fins.			🛡️	
Dryer	Check electrical absorption.			○	
Dryer	Check that the fans rotate freely without any abnormal noise.			○	
Filtration	Depressurize the dryer. Replace the pre- and after filter elements. <b>Recommended Service A</b>				🔧
Dryer	If necessary (coil blocked) remove the aftercooler fan and clean the coil in the opposite direction to the air flow using a high pressure water jet.				○
Dryer	Depressurize the dryer. Complete drain maintenance. <b>Recommended Service B</b>				🛡️

## Key:

○	Check	🔧	Replace	🛡️	Maintenance
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# Preventative Maintenance

## Recommended Service A - Annually



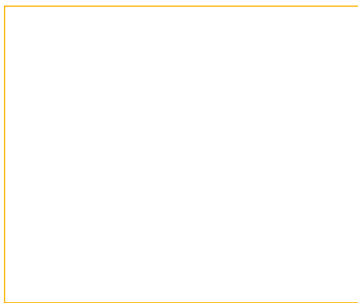
Description	ZDHHT15	ZDHHT25	ZDHHT35	ZDHHT50	ZDHHT75	ZDHHT100
Pre Filter Element	010AO	015AO	015AO	020AO	025AO	025AO
After Filter Element	010AA	015AA	015AA	020AA	025AA	025AA

## Recommended Service B - Annually

Description	ZDHHT15	ZDHHT25	ZDHHT35	ZDHHT50	ZDHHT75	ZDHHT100	Contents
Annual Maintenance Kit	398H473344	398H473345	398H473345	398H473345	398H473346	398H473346	Filter separator, Filter drain valve, Filter element







## PRD Series

Models PRD10 - PRD100

Preventative Maintenance Guide

aerospace  
climate control  
electromechanical  
filtration  
fluid & gas handling  
hydraulics  
pneumatics  
process control  
sealing & shielding



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\*If unit is more than 2 years old, please verify part numbers with customer service prior to ordering.

# Service Intervals

Description of Service Recommended		Service recommended every:			
Component	Operation	Daily	Weekly	4 months	1 Year
Dryer	Check POWER ON indicator is lit.	○			
Dryer	Check control panel indicators.	○			
Dryer	Check condensate drain.		🛡️		
Dryer	Clean condenser fins.			🛡️	
Dryer	Check electrical absorption.			○	
Filtration	Depressurize the dryer. Replace pre- and after filter elements. <b>Recommended Repair Service A</b>				🔧
Dryer	Depressurize the dryer. Complete drain maintenance. <b>Recommended Repair Service B</b>				🛡️

**Key:**

○	Check	🔧	Replace	🛡️	Maintenance
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# Preventative Maintenance

## Recommended Service A - Annually



Description	PRD10	PRD15	PRD25	PRD35	PRD50	PRD75	PRD100
Pre Filter Element	010AO	010AO	015AO	015AO	020AO	025AO	025AO
After Filter Element	010AA	010AA	015AA	015AA	020AA	025AA	025AA

## Recommended Service B - Maintain and Replace as Recommended

Description	PRD10	PRD15	PRD25	PRD35	PRD50	PRD75	PRD100
Drain Solenoid Valve	398H698459						398H785101

## Recommended First Aid Kit

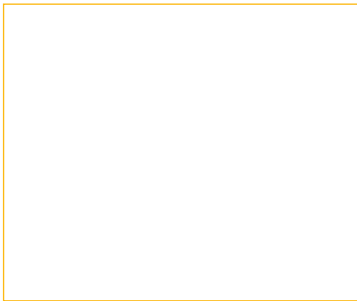
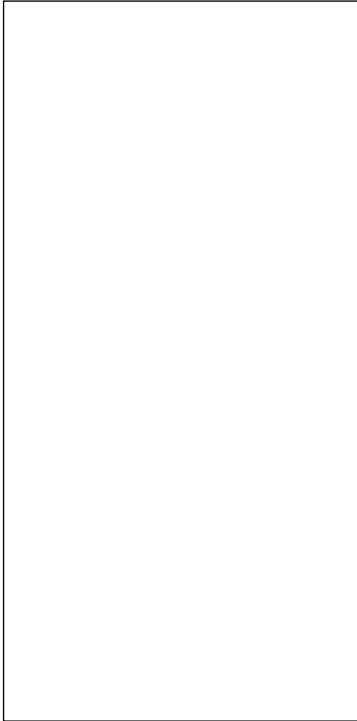
Description	PRD10	PRD15	PRD25	PRD35	PRD50	PRD75	PRD100	Contents
First Aid Kit	398H785238	398H785238	398H785239	398H785239	398H785240	398H785241	398H785242	Compressor overload protector, Starting relay, Starting capacitor

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PRD10-100 Maintenance Guide  
Rev 000 NA 07/2013

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# PRD Series

Models PRD125 - PRD175

Preventative Maintenance Guide

- aerospace
- climate control
- electromechanical
- filtration
- fluid & gas handling
- hydraulics
- pneumatics
- process control
- sealing & shielding



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# Service Intervals

Description of Service Recommended		Service recommended every:			
Component	Operation	Daily	Weekly	4 months	1 Year
Dryer	Check POWER ON indicator is lit.	○			
Dryer	Check control panel indicators.	○			
Dryer	Check condensate drain.		🧑‍🔧		
Dryer	Clean condenser fins.			🧑‍🔧	
Dryer	Check electrical absorption.			○	
Filtration	Depressurize the dryer. Replace pre- and after filter elements. <b>Recommended Repair Service A</b>				🔧
Dryer	Depressurize the dryer. Complete drain maintenance. <b>Recommended Repair Service B</b>				🧑‍🔧

## Key:

○	Check	🔧	Replace	🧑‍🔧	Maintenance
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# Preventative Maintenance

## Recommended Service A - Annually



Description	PRD125	PRD150	PRD175
Pre Filter Element	025AO	030AO	030AO
After Filter Element	025AA	030AA	030AA

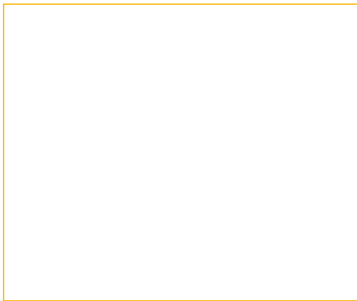
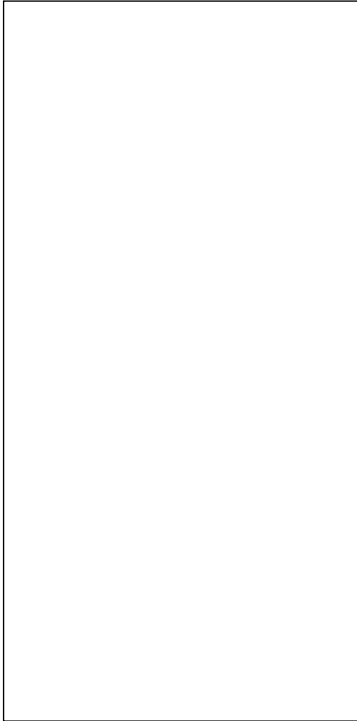
## Recommended Service B - Maintain and Replace as Recommended

Description	PRD125	PRD150	PRD175
Drain Solenoid Valve (115 V)	398H785101		-
Drain Solenoid Valve (230 V)	398H785100		

## Recommended First Aid Kit

Description	PRD125	PRD150	PRD175	Contents
First Aid Kit	398H785242	398H785243	398H785246	Compressor overload protector, Starting relay, Starting capacitor





# Starlette Plus DRD Series

Models DRD200

Preventative Maintenance Guide

- aerospace
- climate control
- electromechanical
- filtration
- fluid & gas handling
- hydraulics
- pneumatics
- process control
- sealing & shielding



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# Service Intervals

Description of Service Recommended		Service recommended every:				
Component	Operation	Daily	Weekly	4 months	1 Year	3 Years
Dryer	Check POWER ON indicator is lit.	○				
Dryer	Check control panel indicators.	○				
Dryer	Check condensate drain.		🛡️			
Dryer	Clean condenser fins.			🛡️		
Dryer	Check electrical absorption.			○		
Filtration	Depressurize the dryer. Replace pre- and after filter elements. <b>Recommended Repair Service A</b>			🔧		
Dryer	Depressurize the dryer. Complete drain maintenance. <b>Recommended Repair Service B</b>				🛡️	
Dryer	Dryer Maintenance Kit <b>Recommended Repair Service C</b>					🔧

## Key:

○	Check	🔧	Replace	🛡️	Maintenance
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# Preventative Maintenance

## Recommended Repair Service A - Annually



Description	DRD200
Pre Filter Element	030AO
After Filter Element	030AA

## Recommended Service B - Maintain and Replace as Recommended

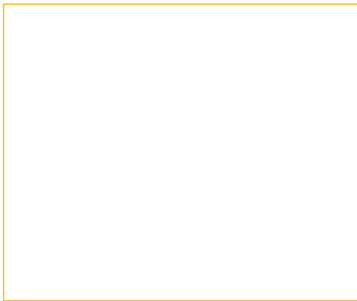
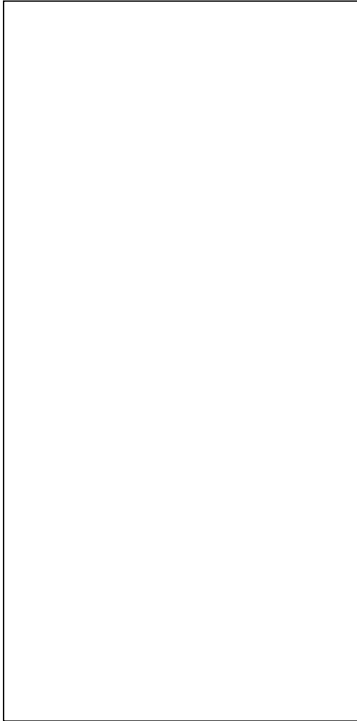
Description	ESR200
Drain Solenoid Valve	398H698201

## Recommended Service C - Every 3 Years

Description	ESR200	Contents
3 Year Preventative Maintenance Kit	398H473000	Fan pressure switch, High pressure switch, High temperature thermostat, Dew point temperature sensor, Fan capacitor

## Recommended First Aid Kit

Description	ESR200	Contents
First Aid Kit	398H785246	Compressor overload protector, Starting relay, Starting capacitor



# Starlette Plus DRD Series

Models DRD250

Preventative Maintenance Guide

aerospace  
climate control  
electromechanical  
**filtration**  
fluid & gas handling  
hydraulics  
pneumatics  
process control  
sealing & shielding



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# Service Intervals

Description of Service Recommended		Service recommended every:				
Component	Operation	Daily	Weekly	4 months	1 Year	3 Years
Dryer	Check POWER ON indicator is lit.	○				
Dryer	Check control panel indicators.	○				
Dryer	Check condensate drain.		🛡️			
Dryer	Clean condenser fins.			🛡️		
Dryer	Check electrical absorption.			○		
Filtration	Depressurize the dryer. Replace pre- and after filter elements. <b>Recommended Repair Service A</b>				🔧	
Dryer	Depressurize the dryer. Complete drain maintenance. <b>Recommended Repair Service B</b>				🛡️	
Dryer	Check temperature sensors. Replace if necessary <b>Recommended Repair Service C</b>				🛡️	
Dryer	Dryer Maintenance Kit <b>Recommended Repair Service D</b>					🔧

## Key:

○	Check	🔧	Replace	🛡️	Maintenance
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## Preventative Maintenance

### Recommended Repair Service A - Annually



Description	DRD250
Pre Filter Element	035AO
After Filter Element	035AA

### Recommended Service B - Maintain and Replace as Recommended



Description	DRD250
Drain Solenoid Valve	398H698201

### Recommended Service C - Maintain and Replace as Recommended

Description	DRD250	Contents
Dew Point Temperature Sensor	398H275894	Dew Point Temperature Sensor
Discharge Temperature Sensor	398H275731	Discharge Temperature Sensor

### Recommended Service D - Every 3 Years

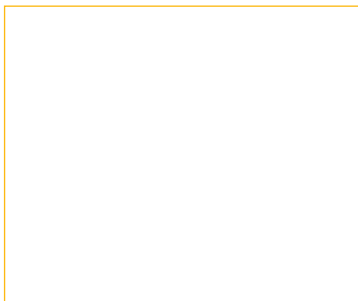
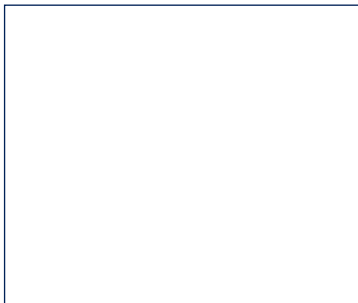
Description	Power Supply	DRD250	Contents
3 Year Preventative Maintenance Kit	230V/3Ph/60Hz	398H473899	Low pressure switch, Fan pressure switch, High pressure switch, Dew point temperature sensor, Discharge temperature sensor, Compressor capacitor, Fan capacitor
	230V/1Ph/60Hz 460V/3Ph/60Hz	398H473898	

### Recommended First Aid Kit

Description	DRD250	Contents
First Aid Kit	398H785206	Compressor overload protector, Starting relay, Starting capacitor







## Starlette Plus DRD Series

Models DRD265 - DRD500

Preventative Maintenance Guide

aerospace  
climate control  
electromechanical  
filtration  
fluid & gas handling  
hydraulics  
pneumatics  
process control  
sealing & shielding



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# Service Intervals

Description of Service Recommended		Service recommended every:				
Component	Operation	Daily	Weekly	4 months	1 Year	3 Years
Dryer	Check POWER ON indicator is lit.	○				
Dryer	Check control panel indicators.	○				
Dryer	Check condensate drain.		🧑			
Dryer	Clean condenser fins.			🧑		
Dryer	Verify that the crankcase heater is correctly positioned.			○		
Dryer	Check electrical absorption.			○		
Filtration	Depressurize the dryer. Replace pre- and after filter elements. <b>Recommended Repair Service A</b>				🔧	
Dryer	Depressurize the dryer. Complete drain maintenance. <b>Recommended Repair Service B</b>				🧑	
Dryer	Check temperature sensors. Replace if necessary. <b>Recommended Repair Service C</b>				🧑	
Dryer	Dryer maintenance kit. <b>Recommended Repair Service D</b>					🔧

**Key:**

○	Check	🔧	Replace	🧑	Maintenance
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## Preventative Maintenance

### Recommended Repair Service A - Annually



Description	DRD265	DRD325	DRD400	DRD500
Pre Filter Element	035AO	035AO	040AO	045AO
After Filter Element	035AA	035AA	040AA	045AA

### Recommended Service B - Maintain and Replace as Recommended



Description	DRD265	DRD325	DRD400	DRD500
Drain Solenoid Valve	398H698218			

## Recommended Service C - Maintain and Replace as Recommended

Description	DRD265	DRD325	DRD400	DRD500
Evaporation Temperature Sensor	398H275894	398H275894	398H275894	398H275894
Discharge Temperature Sensor	398H275731	398H275731	398H275731	398H275731

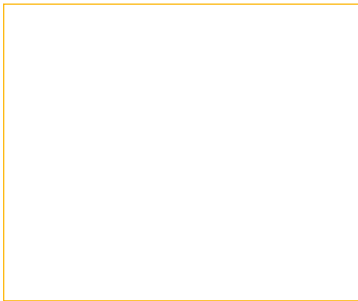
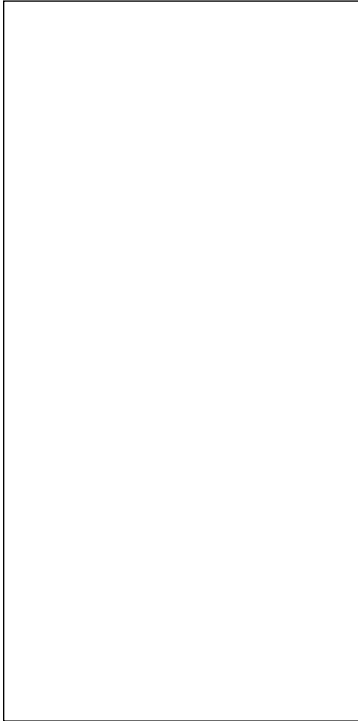
## Recommended Service D - Every 3 Years

Description	DRD265	DRD325	DRD400	DRD500	Contents
3 Year Preventative Maintenance Kit	398H473001				Low pressure switch, Fan pressure switch, High pressure switch, Dew point temperature sensor, Discharge temperature sensor, Compressor capacitor, Fan capacitor

## Recommended First Aid Kit

Description	DRD265	DRD325	DRD400	DRD500	Contents
First Aid Kit	398H785207				Compressor overload protector, Starting relay, Starting capacitor





## PoleStar Smart DRD Series

Models DRD700 - DRD1000

Preventative Maintenance Guide

aerospace  
climate control  
electromechanical  
**filtration**  
fluid & gas handling  
hydraulics  
pneumatics  
process control  
sealing & shielding



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\*If unit is more than 2 years old, please verify part numbers with customer service prior to ordering.

# Service Intervals

Description of Service Recommended		Service recommended every:				
Component	Operation	Daily	Weekly	4 months	1 Year	3 Years
Dryer	Check POWER ON indicator is lit.	○				
Dryer	Check control panel indicators.	○				
Dryer	Check condensate drain.		🛡️			
Dryer	Clean condenser fins.			🛡️		
Dryer	Verify that the crankcase heater is correctly positioned.			○		
Dryer	Check electrical absorption.			○		
Filtration	Depressurize the dryer. Replace pre- and after filter elements. <b>Recommended Repair Service A</b>				🔧	
Dryer	Depressurize the dryer. Complete drain maintenance. <b>Recommended Repair Service B</b>				🛡️	
Dryer	Check temperature sensors. Replace if necessary. <b>Recommended Repair Service C</b>				🛡️	
Dryer	Dryer maintenance kit. <b>Recommended Repair Service D</b>					🔧

**Key:**

○	Check	🔧	Replace	🛡️	Maintenance
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## Preventative Maintenance

### Recommended Repair Service A - Annually



Description	DRD700	DRD800	DRD1000
Pre Filter Element	050AO	050AO	055AO
After Filter Element	050AA	050AA	055AA

### Recommended Service B - Maintain and Replace as Recommended



Description	DRD700	DRD800	DRD1000
Drain Solenoid Valve	398H698218		

## Recommended Service C - Maintain and Replace as Recommended

Description	DRD700	DRD800	DRD1000
Evaporation Temperature Sensor	398H275894	398H275894	398H275894
Discharge Temperature Sensor	398H275731	398H275731	398H275731

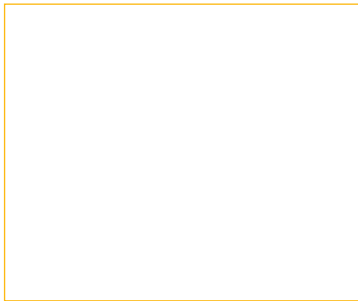
## Recommended Service D - Every 3 Years

Description		DRD700	DRD800	DRD1000	Contents
3 Year Preventative Maintenance Kit	Aircooled		398H473001		Low pressure switch, Fan pressure switch, High pressure switch, Dew point temperature sensor, Discharge temperature sensor, Compressor capacitor, Fan capacitor
	Watercooled		398H473269		

## Recommended First Aid Kit

Description	DRD700	DRD800	DRD1000	Contents
First Aid Kit	398H785207	398H785207	398H785207	Compressor overload protector, Starting relay, Starting capacitor





## Starlette Plus DRD Series

Models DRD1200 - DRD3000

Preventative Maintenance Guide

aerospace  
climate control  
electromechanical  
**filtration**  
fluid & gas handling  
hydraulics  
pneumatics  
process control  
sealing & shielding



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# Service Intervals

Description of Service Recommended		Service recommended every:				
Component	Operation	Daily	Weekly	4 months	1 Year	3 Years
Dryer	Check POWER ON indicator is lit.	○				
Dryer	Check control panel indicators.	○				
Dryer	Check condensate drain.		🛡️			
Dryer	Clean condenser fins.			🛡️		
Dryer	Verify that the crankcase heater is correctly positioned.			○		
Dryer	Check electrical absorption.			○		
Filtration	Depressurize the dryer. Replace pre- and after filter elements. <b>Recommended Repair Service A</b>				🔧	
Dryer	Depressurize the dryer. Complete drain maintenance. <b>Recommended Repair Service B</b>				🛡️	
Dryer	Check temperature sensors. Replace if necessary. <b>Recommended Repair Service C</b>				🛡️	
Dryer	Dryer maintenance kit. <b>Recommended Repair Service D</b>					🔧

**Key:**

○	Check	🔧	Replace	🛡️	Maintenance
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## Preventative Maintenance

### Recommended Repair Service A - Annually



Description	DRD1200	DRD1600	DRD2000	DRD2400	DRD3000
Pre Filter Element	055AO	(3) 060AO	(3) 060AO	(4) 060AO	(6) 060AO
After Filter Element	055AA	(3) 060AA	(3) 060AA	(4) 060AA	(6) 060AA

### Recommended Service B - Maintain and Replace as Recommended



Description	DRD1200	DRD1400	DRD1600	DRD2000	DRD2400	DRD3000
Drain Solenoid Valve	398H698218					



## Recommended Service C - Maintain and Replace as Recommended

Description	DRD1200	DRD1400	DRD1600	DRD2000	DRD2400	DRD3000
Evaporation Temperature Sensor	398H275895	398H275895	398H275895	398H275895	398H275895	398H275895

Description	DRD1200	DRD1400	DRD1600	DRD2000	DRD2400
Discharge Temperature Sensor	398H275731	398H275731	398H275731	398H275731	398H275731

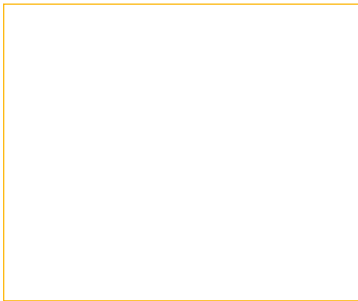
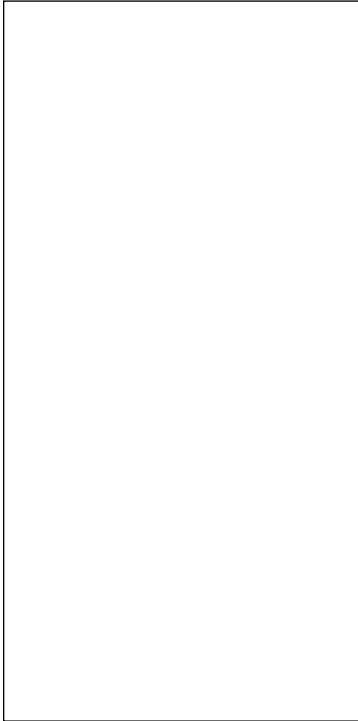
## Recommended Service D - Every 3 Years

Description	DRD1200	DRD1600	DRD2000	DRD2400	DRD3000	Contents
3 Year Preventative Maintenance Kit	Aircooled	398H473001				Low pressure switch, Fan pressure switch, High pressure switch, Dew point temperature sensor, Discharge temperature sensor, Compressor capacitor, Fan capacitor
	Watercooled	398H473269				

## Recommended First Aid Kit

Description	DRD1200	DRD1400	DRD1600	DRD2000	DRD2400	DRD3000	DRD3800	DRD5000	DRD6000	Contents
First Aid Kit	398H785211			398H785212			398H785213			Compressor overload protector, Starting relay, Starting capacitor





# Hyperchill

Models PCW007 - PCW013

Preventative Maintenance Guide





aerospace  
climate control  
electromechanical  
filtration  
fluid & gas handling  
hydraulics  
pneumatics  
process control  
sealing & shielding



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\*If unit is more than 2 years old, please verify part numbers with customer service prior to ordering.

# Service Intervals

Description of Service Recommended		Service recommended every:		
Component	Operation	4 months	1 year	3 years
Chiller	Clean condenser fins			
Chiller	Ensure compressor electrical absorption is within the dataplate values			
Chiller	Inspect pump for pressure and leaks			
Chiller	General maintenance kit installation <b>Recommended Repair Service A</b>			

**Key:**

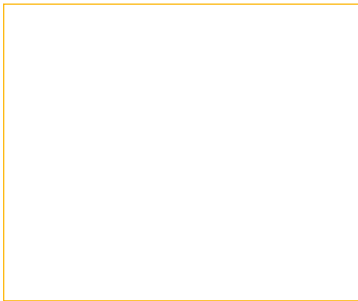
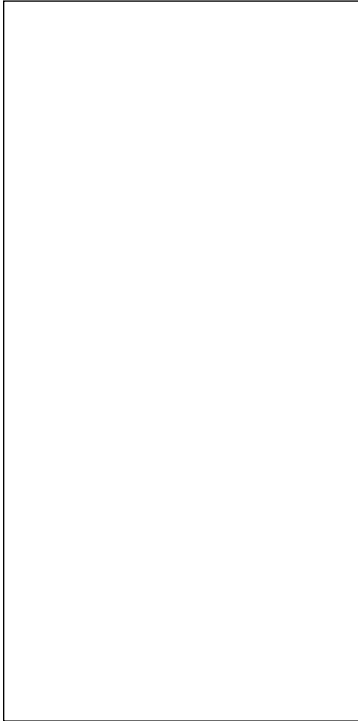
	Check		Replace		Maintenance
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# Preventative Maintenance

## Recommended Repair Service A - Every 3 Years

Description	PCW007	PCW013	Contents
<b>3 Year Preventative Maintenance Kit</b>		398H473200	Water outlet temperature sensor, Evaporator temperature sensor, Water level sensor, Electronic fan pressure switch, High pressure switch, Compressor contactor, Fan contactor, Pump contactor





# Hyperchill

Models PCW020 - PCW025

Preventative Maintenance Guide





aerospace  
climate control  
electromechanical  
filtration  
fluid & gas handling  
hydraulics  
pneumatics  
process control  
sealing & shielding



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\*If unit is more than 2 years old, please verify part numbers with customer service prior to ordering.

# Service Intervals

Description of Service Recommended		Service recommended every:		
Component	Operation	4 months	1 year	3 years
Chiller	Clean condenser fins			
Chiller	Ensure compressor electrical absorption is within the dataplate values			
Chiller	Inspect pump for pressure and leaks			
Chiller	General maintenance kit installation <b>Recommended Repair Service A</b>			

**Key:**

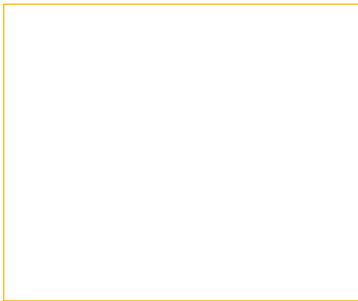
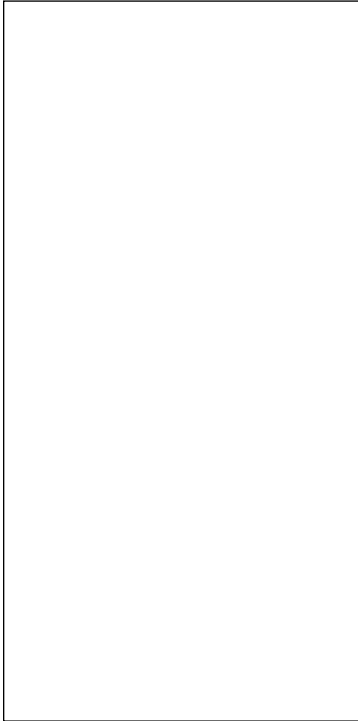
	Check		Replace		Maintenance
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# Preventative Maintenance

## Recommended Repair Service A - Every 3 Years

Description	PCW020	PCW025	Contents
<b>3 Year Preventative Maintenance Kit</b>	398H473201		Water outlet temperature sensor, Evaporator temperature sensor, Water level sensor, Electronic fan pressure switch, High pressure switch, Compressor contactor, Fan contactor, Pump contactor





# Hyperchill

Models PCW040 - PCW160

Preventative Maintenance Guide






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# Service Intervals

Description of Service Recommended		Service recommended every:		
Component	Operation	4 months	1 year	3 years
Chiller	Clean condenser fins			
Chiller	Ensure compressor electrical absorption is within the dataplate values			
Chiller	Water cooled version - check condenser, maintain as Recommended			
Chiller	Inspect pump for pressure and leak			
Chiller	General maintenance kit installation <b>Recommended Repair Service A</b>			

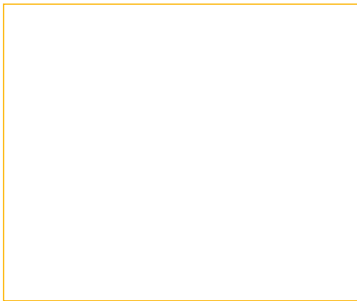
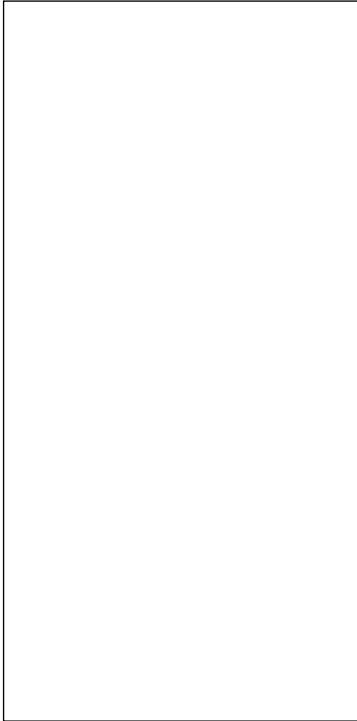
## Key:

	Check		Replace		Maintenance
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# Preventative Maintenance

## Recommended Repair Service A - Every 3 Years

Description	PCW040	PCW060	PCW080	PCW110	PCW130	PCW160	Contents
<b>General Maintenance Kit</b>	398H473280		398H473281		398H473282		Water outlet temperature sensor, Evaporator temperature sensor, Water level sensor, Electronic fan pressure switch, High pressure switch, Low pressure switch, Compressor contactor, Fan contactor, Pump contactor



# Hyperchill

Models PCW210 - PCW330

Preventative Maintenance Guide

- aerospace
- climate control
- electromechanical
- filtration
- fluid & gas handling
- hydraulics
- pneumatics
- process control
- sealing & shielding








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\*If unit is more than 2 years old, please verify part numbers with customer service prior to ordering.



# Service Intervals

Description of Service Recommended		Service recommended every:		
Component	Operation	4 months	1 year	3 years
Chiller	Clean condenser fins			
Chiller	Ensure compressor electrical absorption is within the dataplate values			
Chiller	Water cooled version - check condenser, maintain as Recommended			
Chiller	Inspect pump for pressure and leak			
Chiller	General maintenance kit installation <b>Recommended Repair Service A</b>			

## Key:

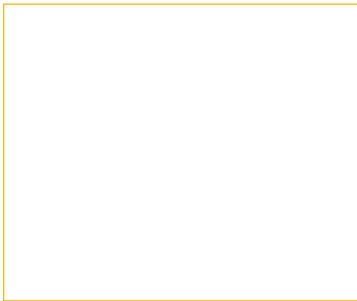
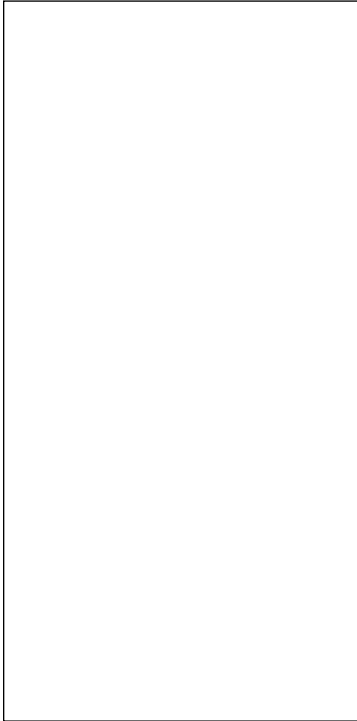
	Check		Replace		Maintenance
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# Preventative Maintenance

## Recommended Repair Service A - Recommended every 3 Years

Description	PCW210	PCW260	PCW330	Contents
<b>3 Year Preventative Maintenance Kit</b>	398H473298		398H473299	Water outlet temperature sensor, Evaporator temperature sensor, Water level sensor, Electronic fan pressure switch, High pressure switch, Low pressure switch, Compressor contactor, Fan contactor, Pump contactor





# Hyperchill

Models PCW420 - PCW650

Preventative Maintenance Guide






aerospace  
climate control  
electromechanical  
filtration  
fluid & gas handling  
hydraulics  
pneumatics  
process control  
sealing & shielding



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\*If unit is more than 2 years old, please verify part numbers with customer service prior to ordering.

# Service Intervals

Description of Service Recommended		Service recommended every:		
Component	Operation	4 months	1 year	3 years
Chiller	Clean condenser fins			
Chiller	Ensure compressor electrical absorption is within the dataplate values			
Chiller	Water cooled version - check condenser, maintain as Recommended			
Chiller	Inspect pump for pressure and leak			
Chiller	General maintenance kit installation <b>Recommended Repair Service A</b>			

**Key:**

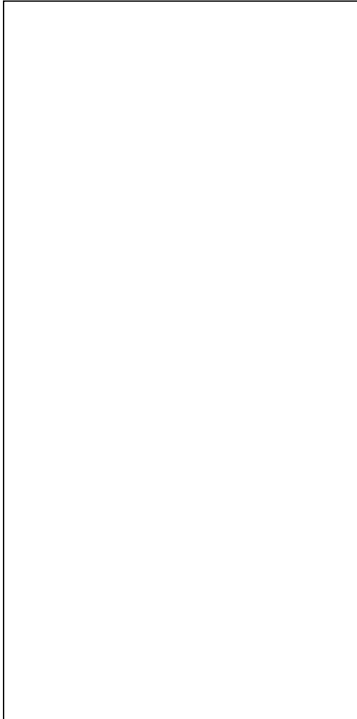
	Check		Replace		Maintenance
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# Preventative Maintenance

## Recommended Repair Service A - Recommended every 3 years

Description	PCW420	PCW510	PCW650	Contents
<b>3 Year Preventative Maintenance Kit</b>	398H473302		398H473303	Water outlet temperature sensor, Evaporator temperature sensor, Water level sensor, Electronic fan pressure switch, High pressure switch, Low pressure switch, Compressor contactor, Evaporator temperature sensor, Fan contactor, Pump contactor





# Breathing Air Purifier

## BA-PAC

Preventative Maintenance Guide

- aerospace
- climate control
- electromechanical
- filtration
- fluid & gas handling
- hydraulics
- pneumatics
- process control
- sealing & shielding



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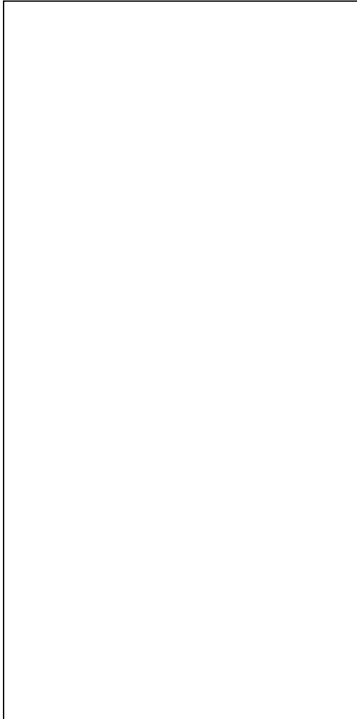
\*If unit is more than 2 years old, please verify part numbers with customer service prior to ordering.

# Preventative Maintenance

## Recommended Adsorption Filter Service - Recommended every 3 months

Description	Catalog Number	Contents
Kit: EAPC1/6	504040500	Element





# Breathing Air Purifier

**BA-2006 & BA-2013**

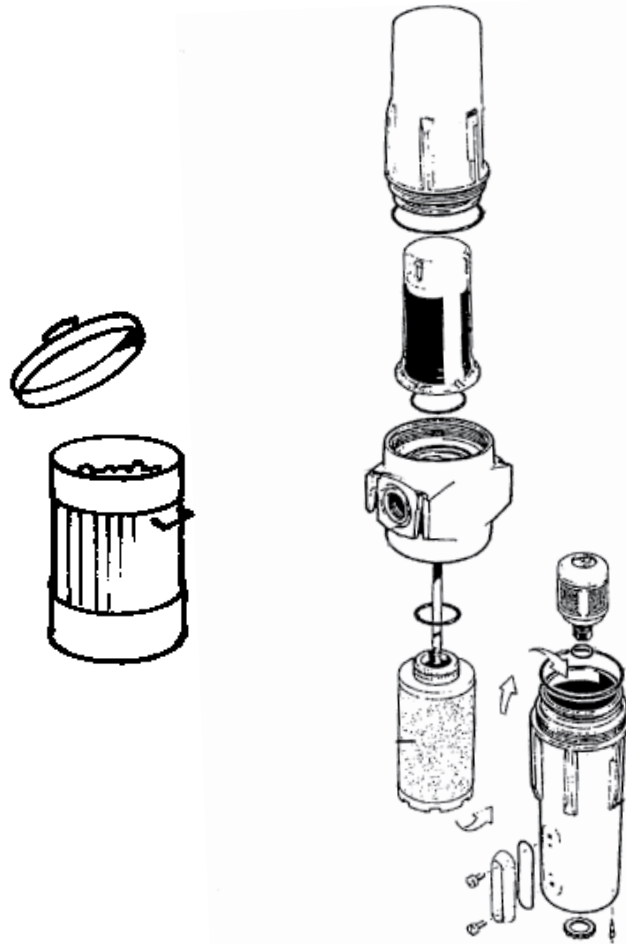
Preventative Maintenance Guide

aerospace  
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electromechanical  
**filtration**  
fluid & gas handling  
hydraulics  
pneumatics  
process control  
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\*If unit is more than 2 years old, please verify part numbers with customer service prior to ordering.



## Preventative Maintenance

### Recommended Adsorption Filter Service - Recommended every 3 months



Description	Catalog Number	Contents
Kit: K006AC (BA-2006)*	504040500	Activated Carbon Replacement
Kit: K013AC (BA-2013)*	504040510	Replacement Element

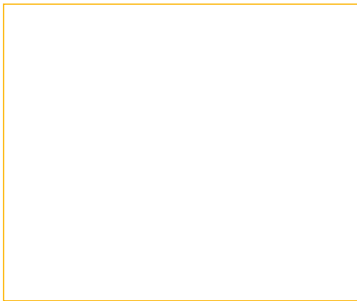
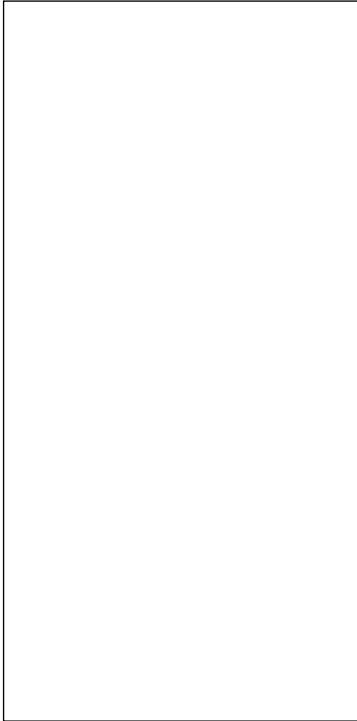
\*These elements are available in six packs. K006AC/6 or K013AC/6

### Recommended Coalescing Filter Service - Recommended every Year



Description	Catalog Number	Contents
Kit: K009AA (BA-2006)	504035100	High Efficiency Oil Removal Product
Kit: K017AA (BA-2013)	504035110	High Efficiency Oil Removal Product
Kit: 60864LF (BA-2006)	605006520	Low Flow Drain
Kit: 60864 (BA-2013)	605006250	Auto Drain Kit





# Portable Breathing Air Purifier

**BA-4350 & BA1400B**

Preventative Maintenance Guide

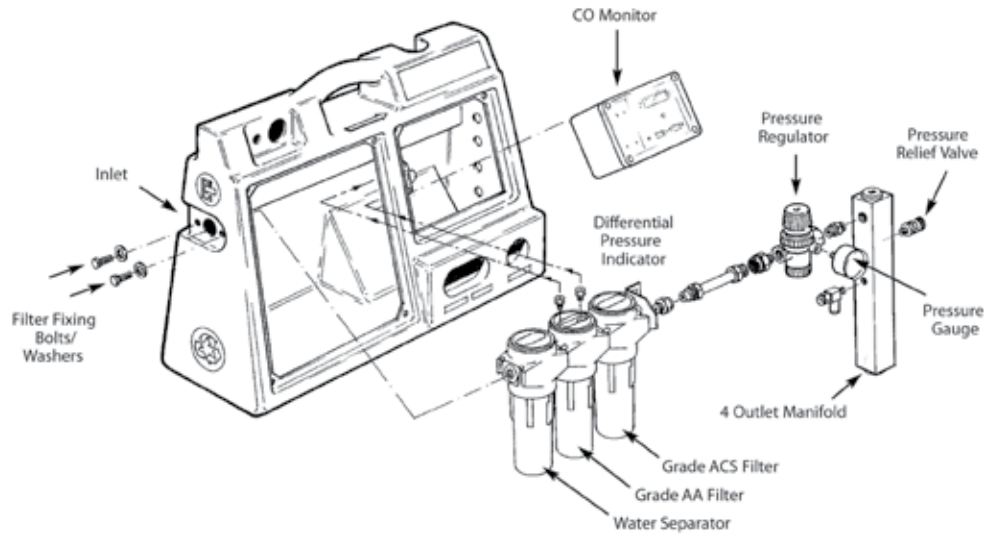
- aerospace
- climate control
- electromechanical
- filtration**
- fluid & gas handling
- hydraulics
- pneumatics
- process control
- sealing & shielding



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\*If unit is more than 2 years old, please verify part numbers with customer service prior to ordering.





## Preventative Maintenance

### Recommended Adsorption Filter Service - Recommended every 3 months



Description	Catalog Number	Contents
Kit: K017ACS	504045110	AC Single Stage Element

### Recommended Coalescing Filter Service - Recommended every Year



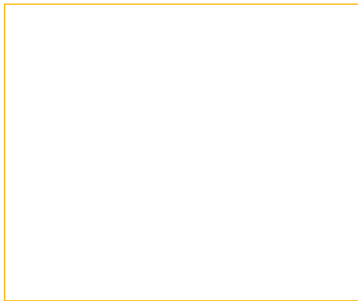
Description	Catalog Number	Contents
Kit: K017AA (BA-2013)	504035110	High Efficiency Oil Removal Product
Kit: 60864	605006250	Auto Drain Kit

### Recommended Sensor Recalibration - Recommended every Year

Description	Catalog Number
Kit: Recalibrate of CO monitor*	Consult Factory

\*Recalibration service requires unit to be returned to Parker domnick hunter. Contact Parker domnick hunter service department for more info.





# Breathing Air Purifier

**BAFP-064B / BAFP-170B**

Preventative Maintenance Guide

- aerospace
- climate control
- electromechanical
- filtration**
- fluid & gas handling
- hydraulics
- pneumatics
- process control
- sealing & shielding



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\*If unit is more than 2 years old, please verify part numbers with customer service prior to ordering.

# Preventative Maintenance

## Recommended Adsorption Filter Service - Recommended every 3 months



Description	Catalog Number	Contents
Kit: K030ACD (BAFP-064B)	504045120	AC Single Stage Element
Kit: K145ACS (BAFP-170B)	504045140	

## Recommended Coalescing Filter Service - Recommended every Year

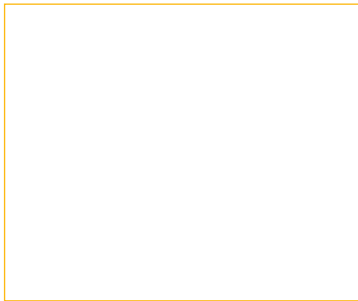


Description	Catalog Number	Contents
Kit: K030AA (BAFP-064B)	504035120	High Efficiency Oil Removal Element
Kit: K145AA (BAFP-170B)	504035140	
Kit: 60864	605006250	

## Recommended Sensor Recalibration - Recommended every Year

Description	Catalog Number	Contents
Kit: Recalibrate CO Monitor if fitted	Consult Factory	CO Monitor





# Breathing Air Purifier

**BA2010/BAP2010**

Preventative Maintenance Guide

aerospace  
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electromechanical  
**filtration**  
fluid & gas handling  
hydraulics  
pneumatics  
process control  
sealing & shielding



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\*If unit is more than 2 years old, please verify part numbers with customer service prior to ordering.

# Preventative Maintenance

## Recommended Silencer Service - Recommended every Year

Description	Catalog Number	Contents
Kit: Silencer Element	608233670	Silencer Element

## Recommended Adsorption Element Service - Recommended every 3 months



Description	Catalog Number	Contents
Kit: K013AC	504040510	Replacement Element
Kit: K013HC	504001151	Hopcalite Filter Element

## Recommended Filter Service - Recommended every Year



Description	Catalog Number	Contents
Kit: K017AA	504035110	High Efficiency Oil Removal Element
Kit: 003AA	504030490	
Kit: 60864	605006250	

## Recommended Sensor Recalibration - Recommended every Year

Description	Catalog Number	Contents
Kit: Recalibrate Hygrometer / CO Monitor if fitted	Consult Factory	CO Monitor

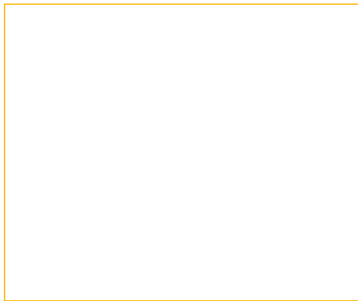
## Recommended Dryer Valve Service - Recommended every 2 Years

Description	Catalog Number	Contents
Kit: Valve Overhaul - Inlet	608233671	Valve Overhaul - Inlet
Kit: Valve Overhaul - Outlet	608233674	Valve Overhaul - Outlet
Kit: Valve Overhaul - Exhaust	608233677	Valve Overhaul - Exhaust
Kit: Valve Overhaul - Control	608233680	Valve Overhaul - Control
Kit: Valve Overhaul - Valve Overhaul	608233690	Valve Overhaul - Valve Overhaul

## Recommended Dryer Desiccant Service - Recommended every 30 months

Description	Catalog Number	Contents
AA 11.2 Ltr Bag	60-820-3661	Desiccant
Kit: Column Seals	608203733	Column Seals





# Breathing Air Purifier

## BA-DME

Preventative Maintenance Guide

- aerospace
- climate control
- electromechanical
- filtration**
- fluid & gas handling
- hydraulics
- pneumatics
- process control
- sealing & shielding



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\*If unit is more than 2 years old, please verify part numbers with customer service prior to ordering.

# Preventative Maintenance

## Recommended Silencer Service - Recommended every Year

Description	Catalog Number	Contents
Kit: Silencer Element	608233670	Silencer Element

## Recommended Adsorption Filter Service - Recommended every 3 months



Description	Catalog Number	Qty	Contents
Kit: K013AC (BA-DME012)	504040510	1	Replacement Element
Kit: K025AC (BA-DME015-025)	504040520	1	
Kit: K040AC (BA-DME030-040)	504040530	1	
Kit: K013HC (BA-DME012)	504001151	1	Hopcalite Filter Element
Kit: K040HC (BA-DME015-040)	504001331	1	Replacement Element
Kit: BAH Kit (BA-DME050-060)	608203852	1	
Kit: BAH Kit (BA-DME080)	608203852	2	

## Recommended Coalescing Filter Service - Recommended every Year



Description	Catalog Number	Qty	Contents
Kit: K017AA (BA-DME012)	504035110	2	High Efficiency Oil Removal Element
Kit: K030AA (BA-DME015-025)	504035120	2	
Kit: K058AA (BA-DME030-040)	504035130	2	
Kit: K145AO (BA-DME050-080)	504025140	1	General Purpose Element
Kit: K145AA (BA-DME050-080)	504035140	1	
Kit: 60864 (BA-DME012-080)	605006250	3	

## Recommended Sensor Recalibration - Recommended every Year

Description	Catalog Number	Contents
Kit: Recalibrate Hygrometer / CO Monitor if fitted		CO Monitor

## Recommended Dryer Valve Service - Recommended every 2 Years

Description	Catalog Number	Contents
Kit: Valve Overhaul (DME012-040) - Inlet	608330011	Valve Overhaul
Kit: Valve Overhaul (DME012-040) - Outlets	608330003	Valve Overhaul
Kit: Valve Overhaul (DME012-040) - Exhaust	608230012	Valve Overhaul
Kit: Valve Overhaul (DME012-040) - Valve Overhaul	608330014	Valve Overhaul
Kit: Valve Overhaul (DME050-080) - Inlet	608330004	Valve Overhaul
Kit: Valve Overhaul (DME050-080) - Outlets	608330003	Valve Overhaul
Kit: Valve Overhaul (DME050-080) - Exhaust	608230013	Valve Overhaul
Kit: Valve Overhaul (DME050-080) - Valve Overhaul	608330015	Valve Overhaul

## Recommended Dryer Desiccant Service - Recommended every Year

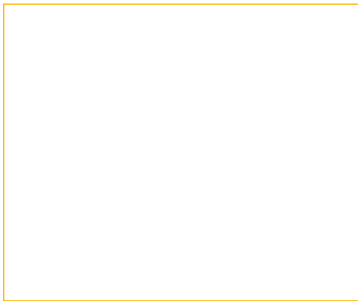
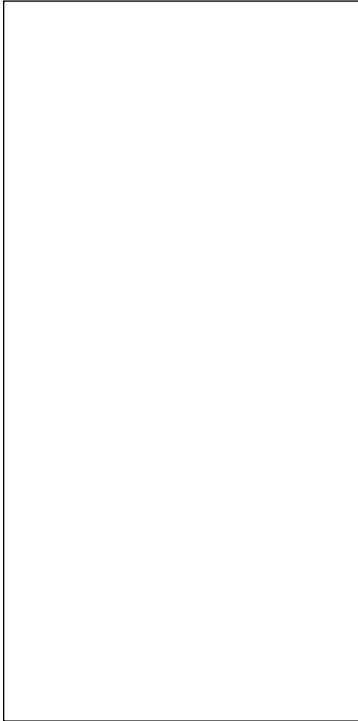
Description	Catalog Number	Qty
Dryfil AA	60-820-3661	Check table below
Kit: Column Seals (BA-DME012-040)	608203733	1
Kit: Column Seals (BA-DME050-080)	608330010	1

### Quantity Recommended Table

Description	BA-DME012-015	BA-DME020-040	BA-DME050	BA-DME060	BA-DME080
Dryfil AA	1	2	3	4	5







# Breathing Air Purifier

## BAM

Preventative Maintenance Guide

- aerospace
- climate control
- electromechanical
- filtration**
- fluid & gas handling
- hydraulics
- pneumatics
- process control
- sealing & shielding



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\*If unit is more than 2 years old, please verify part numbers with customer service prior to ordering.

# Preventative Maintenance

## Recommended Silencer Service - Recommended every Year

Description	Catalog Number	Contents
Kit: Silencer Element	608250500	Silencer Element

## Recommended Adsorption Element Service - Recommended every 3 months

Description	Catalog Number	Qty
Kit: BAH	608203852	Check table below

## Recommended Coalescing Filter Service - Recommended every Year



Description	Catalog Number	Qty	Contents
Kit: K220AO (BAM102 - 105)	504025150	1	General Purpose Element
Kit: K220AA (BAM102 - 105)	504035150	1	High Efficiency Oil Removal Element
Kit: K430AO (BAM106 - 110)	504025170	1	General Purpose Element
Kit: K430AA (BAM106 - 110)	504035170	1	High Efficiency Oil Removal Element
Kit: 60864 (BAM102 - 110)	605006250	3	-

## Recommended Sensor Recalibration - Recommended every Year

Description	Catalog Number	Contents
Kit: Recalibrate Hygrometer / CO Monitor if fitted	-	CO Monitor

## Recommended Dryer Valve Service - Recommended every 2 Years

Description	Catalog Number	Contents
Kit: Valve Overhaul (BAM102 - 110) - Inlet	608250502	Valve Overhaul
Kit: Valve Overhaul (BAM102 - 110) - Outlets	608250503	Valve Overhaul
Kit: Valve Overhaul (BAM102 - 110) - Exhaust	608250504	Valve Overhaul
Kit: Valve Overhaul (BAM102 - 110) - Repressurization	608250506	Valve Overhaul
Kit: Valve Overhaul (BAM102 - 110) - Control	608250508	Valve Overhaul
Kit: Valve Overhaul (BAM102 - 110) - Valve Overhaul	608250511	Valve Overhaul

## Recommended Dryer Desiccant Service - Recommended every Year

Description	Catalog Number	Qty
Dryfil AA	60-820-3661	Check table below
Kit: Column Seals Serial no up to 24396	608203740	1
Kit: Column Seals Serial no 24397	608250513	1

## Quantity Recommended Table

Description	BAM102	BAM103	BAM104	BAM105	BAM106	BAM107	BAM108	BAM110
BAH Kit	2	2	3	3	4	4	5	6
Dryfil AA	4	6	8	10	12	14	16	20



# Worldwide Filtration Manufacturing Locations

## North America

### Compressed Air Treatment Filtration & Separation/Balston

Haverhill, MA  
978 858 0505  
www.parker.com/balston

### Finite Airtek Filtration Airtek/domnick hunter/Zander

Lancaster, NY  
716 686 6400  
www.parker.com/faf

### Finite Airtek Filtration/Finite

Oxford, MI  
248 628 6400  
www.parker.com/finitefilter

### Engine Filtration & Water Purification Racor

Modesto, CA  
209 521 7860  
www.parker.com/racor

Holly Springs, MS  
662 252 2656  
www.parker.com/racor

Beaufort, SC  
843 846 3200  
www.parker.com/racor

### Racor – Village Marine Tec.

Gardena, CA  
310 516 9911  
desalination.parker.com

### Parker Sea Recovery

Carson, CA  
310 637 3400  
www.searecovery.com

### Hydraulic Filtration Hydraulic Filter

Metamora, OH  
419 644 4311  
www.parker.com/hydraulicfilter

Laval, QC Canada  
450 629 9594  
www.parkerfarr.com

### Process Filtration domnick hunter Process Filtration

Oxnard, CA  
805 604 3400  
www.parker.com/processfiltration

Madison, WI  
608 824 0500  
www.scilog.com

Phoenixville, PA  
610 933 1600  
www.parker.com/processfiltration

### Aerospace Filtration

Velcon Filtration  
Colorado Springs, CO  
719 531 5855  
www.velcon.com

## Europe

### Compressed Air Treatment domnick hunter Filtration & Separation

Gateshead, England  
+44 (0) 191 402 9000  
www.parker.com/dhfn

### Parker Gas Separations

Etten-Leur, Netherlands  
+31 76 508 5300  
www.parker.com/dhfn

### Hiross Zander

Padova Business Unit  
Padova, Italy  
+39 049 9712 111  
www.parker.com/hz

### Hiross Zander

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Essen, Germany  
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### Engine Filtration & Water Purification Racor

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### Racor Research & Development

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+49 (0)711 7071 290-10  
www.parker.com/rfde

### Hydraulic Filtration Hydraulic Filter

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### Ujala Operation

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www.parker.com/hfde

### Condition Monitoring Centre

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+44 (0) 1842 763 299  
www.parker.com/hfde

### Parker Kittiwake

West Sussex, England  
+44 (0) 1903 731 470  
www.kittiwake.com

### Parker Procal

Peterborough, England  
+44 (0) 1733 232 495  
www.kittiwake.com

### Process Filtration domnick hunter Process Filtration

Birtley, England  
+44 (0) 191 410 5121  
www.parker.com/processfiltration

### Parker Twin Filter BV

Zaandam, Netherlands  
+31(0)75 655 50 00  
www.twinfilter.com

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### Parker Fowler

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### Thailand

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## Africa

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**Finite Airtek Filtration Division**

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