

# PNEUDRI Heatless Dryer

## Midi DME012 - DME80

Preventative Maintenance Guide





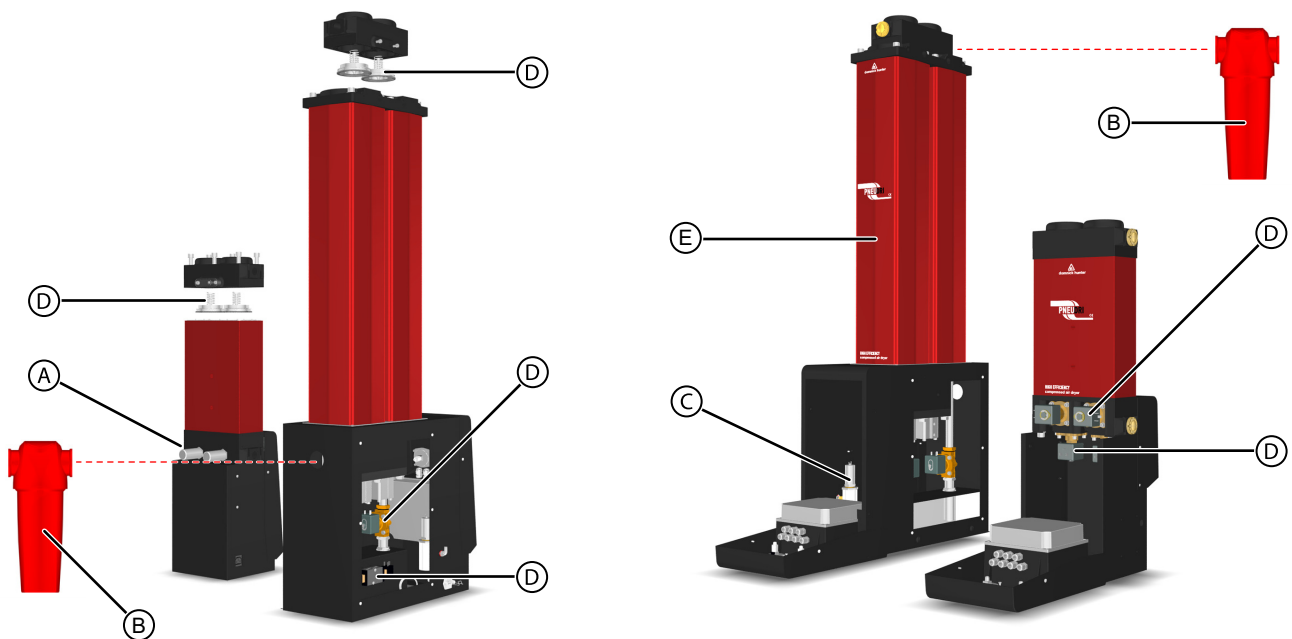
# Service intervals

| Description of Service Required |  | Service recommended every: <sup>(1)</sup> |      |         |         |          |          |
|---------------------------------|--|---|------|---------|---------|----------|----------|
| Component                       | Operation  | Day                                       | Week | 3-month | 6-month | 12-month | 36-month |
| Dryer                           | Check POWER ON indicator is illuminated.   | ☞   |      |         |         |          |          |
| Dryer                           | Check STATUS / FAULT indicators located on the controller.   | ☞   |      |         |         |          |          |
| Dryer                           | Check for air leaks.   |   | ☞    |         |         |          |          |
| Dryer                           | Check the pressure gauges during purging for excessive back pressure.                                  |   |      | ☞       |         |          |          |
| Dryer                           | Check the condition of electrical supply cables and conduits.  |   |      | ☞       |         |          |          |
| Dryer                           | Check for cyclic operation.  |   |      |         | ☞       |          |          |
| Dryer                           | Replace the active exhaust silencers<br><b>Recommended Service A</b>                                   |   |      |         |         | 🔧        |          |
| Filtration                      | Replace the inlet, outlet and control air filters, and service drains.<br><b>Recommended Service B</b> |   |      |         |         | 🔧        |          |
| Dryer                           | Replace / Calibrate dewpoint transmitter (DDS Units only).<br><b>Recommended Service C</b>             |   |      |         |         | 🔧        |          |
| Dryer                           | Replace the valve seats and seals.<br><b>Recommended Service D</b>                                     |   |      |         |         |          | 🔧        |
| Dryer                           | Replace the Desiccant.<br><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 - Required every 12 months



| Description                         | Catalogue Number | Technical Reference | Contents       |
|-------------------------------------|------------------|---------------------|----------------|
| Kit: Exhaust Silencer DME 012 - 080 | 608330001        | 608330001           | 1/2" Silencers |

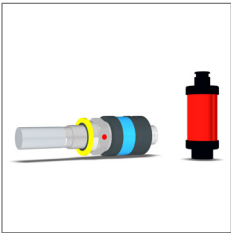
*Note. One kit is required for each dryer.*

## Recommended Service B - Required every 12 months



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

## Recommended Service C - Required every 12 months



| Description  | Catalogue Number | Technical Reference | Contents               |
|--|------------------|---------------------|------------------------|
| Kit: Hygrometer Sensor & Element (Serial Number up to 46437) | 608203582        | 608203582           | Sensor<br>Feed element |

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



| Description  | Catalogue Number | Technical Reference | Contents  |
|--|------------------|---------------------|---|
| Kit: Hygrometer Element & Block (Serial Number from 46438 up to 50965) | 608203581        | 608203581           | Hygrometer transmitter<br>Transmitter housing<br>Fixed orifice<br>PTFE tubing<br>O-ring<br>Associated fittings<br>Fixings |

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



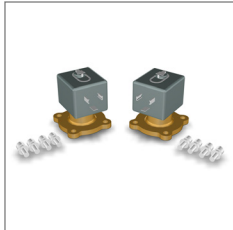
| Description   | Catalogue Number | Technical Reference | Contents  |
|---|------------------|---------------------|---|
| Kit: Hygrometer Element Assembly (Serial Number from 56966 onwards) | 608203580        | 608203580           | Hygrometer transmitter<br>Fixed orifice<br>o-ring |

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

## Recommended Service D - Required every 36 months

| Description                       | Catalogue Number | Technical Reference | Contents                                   |
|-----------------------------------|------------------|---------------------|--|
| Kit: Valve Overhaul DME 012 - 040 | 608330006        | 608330006           | Inlet Valve Kit (Catalogue No.608330002)   |
|                                   |                  |                     | Outlet Valve Kit (Catalogue No.608330003)  |
|                                   |                  |                     | Exhaust Valve Kit (Catalogue No.608330002) |
| Kit: Valve Overhaul DME 050 - 080 | 608330007        | 608330007           | Inlet Valve Kit (Catalogue No.608330004)   |
|                                   |                  |                     | Outlet Valve Kit (Catalogue No.608330003)  |
|                                   |                  |                     | Exhaust Valve Kit (Catalogue No.608330005) |
|                                   |                  |                     | Control Valve Kit (Catalogue No.608203977) |

### Inlet Valve Kit



| Description                    | Catalogue Number | Technical Reference | Contents                             |
|--------------------------------|------------------|---------------------|--------------------------------------|
| Kit: Inlet Valve DME 012 - 040 | 608330002        | 608330002           | N/C Solenoid valves<br>Fixing screws |



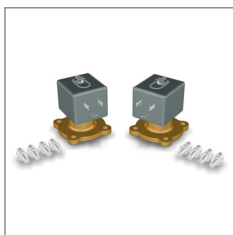
| Description                    | Catalogue Number | Technical Reference | Contents   |
|--------------------------------|------------------|---------------------|--|
| Kit: Inlet Valve DME 050 - 080 | 608330004        | 608330004           | Cylinder valves<br>Associated seals<br>Fixing screws |

### Outlet Valve Kit

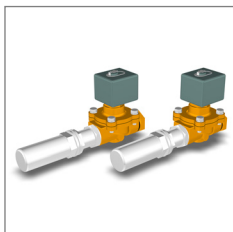


| Description                     | Catalogue Number | Technical Reference | Contents   |
|---------------------------------|------------------|---------------------|--|
| Kit: Outlet Valve DME 012 - 080 | 608330003        | 608330003           | Check valves<br>Valve seats and guides<br>Circlips<br>Associated seals |

### Exhaust Valve Kit

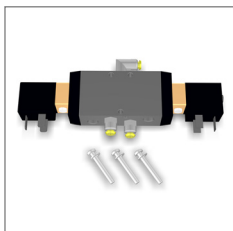


| Description                      | Catalogue Number | Technical Reference | Contents                             |
|----------------------------------|------------------|---------------------|--------------------------------------|
| Kit: Exhaust Valve DME 012 - 040 | 608330002        | 608330002           | N/C Solenoid valves<br>Fixing screws |



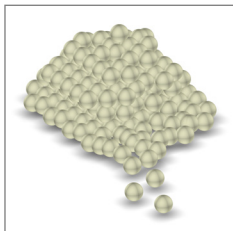
| Description                      | Catalogue Number | Technical Reference | Contents                 |
|----------------------------------|------------------|---------------------|--------------------------|
| Kit: Exhaust Valve DME 050 - 080 | 608330005        | 608330005           | Exhaust valve assemblies |

### Control Valve Kit



| Description                      | Catalogue Number | Technical Reference | Contents                            |
|----------------------------------|------------------|---------------------|-------------------------------------|
| Kit: Control Valve DME 050 - 080 | 608203977        | 608203977           | 24V solenoid valve<br>Fixing screws |

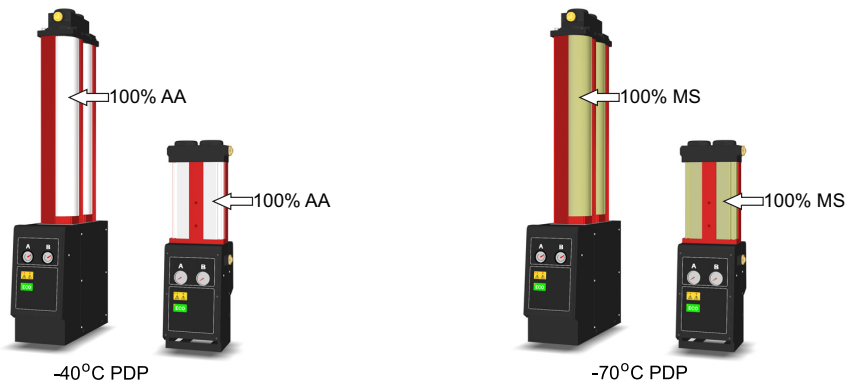
**Recommended Service E - Required every 20000 Hours (30 months)**



| Description       | Catalogue Number | Technical Reference | Contents                 |
|-------------------|------------------|---------------------|--------------------------|
| Kit: Desiccant AA | 608203661        | 608203661           | 11 Litre Container of AA |
| Kit: Desiccant MS | 608203662        | 608203662           | 11 Litre Container of MS |

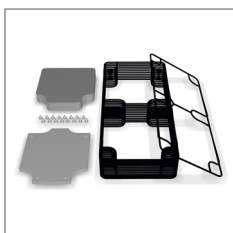
*Note. The quantity of desiccant material required is dependent upon the model of dryer and the specified dewpoint as illustrated below. Ensure that the dryer is filled using a Snowstorm filler and replace the column seals.*

**Desiccant Quantities**



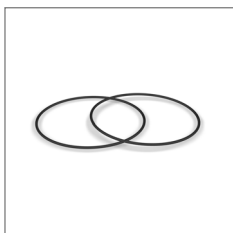
| Description                      | DME012 |     | DME015 |     | DME020 |     | DME025 |     | DME030 |     | DME040 |     | DME050 |     | DME060 |     | DME080 |     |
|----------------------------------|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|
|                                  | -40    | -70 | -40    | -70 | -40    | -70 | -40    | -70 | -40    | -70 | -40    | -70 | -40    | -70 | -40    | -70 | -40    | -70 |
| Kit: Desiccant AA (11.2 Ltr)     | 1      |     | 1      |     | 2      |     | 2      |     | 2      |     | 3      |     | 3      |     | 4      |     | 5      |     |
| Kit: Desiccant MS 13X (11.2 Ltr) |        | 1   |        | 1   |        | 2   |        | 2   |        | 2   |        | 3   |        | 3   |        | 4   |        | 5   |

**Column Seal Kits Snowstorm Filler**



| Description                               | Catalogue Number | Technical Reference | Contents   |
|---|------------------|---------------------|--|
| Kit: Column Seals MIDI (DME 012 - DME040) | 608203733        | 608203733           | Moulded gaskets<br>Support screens<br>Column pads<br>Fixing screws |

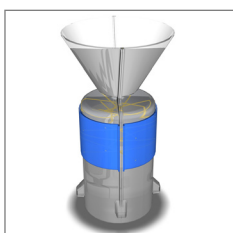
*Note. One kit is required for each dryer.*



| Description                               | Catalogue Number | Technical Reference | Contents       |
|---|------------------|---------------------|----------------|
| Kit: Column Seals MIDI (DME 050 - DME080) | 608330010        | 608330010           | Column o-rings |



| Description                    | Catalogue Number | Technical Reference | Contents                     |
|--------------------------------|------------------|---------------------|------------------------------|
| Snowstorm Filler DME 012 - 040 | 608200622        | 608200622           | Maxi / Midi Snowstorm Filler |



| Description                    | Catalogue Number | Technical Reference | Contents               |
|--------------------------------|------------------|---------------------|------------------------|
| Snowstorm Filler DME 050 - 080 | 608201051        | 608201051           | Jumbo Snowstorm Filler |



## ELEMENTS

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

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

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



## PARTS

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

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

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



## SPECIALISED SERVICES

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

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

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



## M.R.O

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

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

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

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

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



## SUPPORT SERVICES

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

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

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

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

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



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