

Installation Operation and Maintenance Manual

GENERAL INSTRUCTIONS INLINE FILTERS, 'T' FILTERS AND DISC FILTERS



THIS DOCUMENT is applicable to all filters. For service and valve setting instructions specific to your product, please refer to the product specific manual and datasheet.

DESCRIPTION.

Filters come in three forms; Inline Filters and 'T' Filters and Disc Filters. All types of filters usually consist of a single inlet port and a single outlet port and allow the flow of system media through the filter with minimal disruption and pressure drop.

Filters can be used with gasses and liquids and are designed to rid the system medium of contamination and particulates.

The standard inlet and outlet ports are stated in the installation drawing, alternative thread sizes and forms can be supplied.

For Maximum Working Pressure and other information, please refer to the product specific datasheet.

PERFORMANCE DATA.

The maximum flow rate, and flow performance under given criteria through the filter can be supplied by BiS Wells Ltd.

Filter elements can be supplied in various micron levels based on the filtration levels required. Please refer to the product specific datasheet for more information.

CONSTRUCTION.

The standard filter is constructed using aluminium alloy, brass and stainless steel. Filter elements are manufactured from sintered bronze or stainless steel. Alternative materials are available.

INSTALLATION, OPERATION AND MAINTENANCE

IMPORTANT

1. Products must not be modified in any way.
2. Do not use a filter if you suspect it leaks or if its performance is hindered in some way. The filter must be removed from the line and serviced accordingly.
3. Ensure that these instructions are made available to the operator or end user.

INSTALLATION.

Please ensure these instructions are read and understood before installing your product.

1. Only trained and experienced personnel should install this product.
2. Poor installation of the product can cause death or serious injury.
3. Consult the product specific datasheet for flow direction, mounting points and other information such as the location of the dome loading needle valves (if applicable).
4. Always check that the system medium is compatible with the wetted filter materials.
5. Always check that the external filter materials are suitable for the ambient conditions.
6. Filters can be installed in any orientation.
7. Thread lubricants and/or sealants must be used on tapered threads.
8. Gas or Fluid cleanliness is vital to ensure optimum performance and prolonged filter life.
9. Pressure supplied to the filter must be isolated before installation, and when installing gauges and similar components.
10. Ensure vent outlets are not blocked.
11. All parallel female threads are designed to accept a bonded seal.
12. For mounting information, see product specific installation drawing.

MAINTENANCE

Please ensure these instructions are read and understood before maintaining your product.

1. Only trained and experienced personnel should service this product.
2. Poor service of the product can cause death or serious injury.
3. Before maintenance work is undertaken, it is vital that any pressure stored within the filter is vented. This is applicable to filters that are currently installed in a line and to ones that have already been removed.

4. Filters can be returned to BiS Wells Ltd for maintenance and service.
5. Spares kits are available for purchase. When ordering spares kits please state model and serial numbers of the filter and, if possible, the gas or fluid in the system.
6. It is advisable to hold a Spares Kit for planned maintenance.
7. All maintenance work undertaken should be carried out in clean conditions.
8. Service intervals are the responsibility of the user.
9. A preventative maintenance plan should be put in place to ensure safe and continuous operation
10. Filters elements and internal components should be regularly cleaned or replaced.
11. Only use lubricants compatible with the filters materials of construction and the system medium.

OPERATION

Please ensure these instructions are read and understood before using your product.

1. During use ensure the maximum working pressure (MWP) is not exceeded. MWP is marked on the filter / tag and, also on the product specific datasheet. If unsure, please contact BiS Wells Ltd.
2. Misuse of the product can cause death or serious injury.
3. Regularly inspect the product for signs of damage before use.
4. Apply pressure in a controlled manner. Pressure spikes and/or shocks must be avoided.
5. Gas or Fluid cleanliness is vital to ensure optimum performance and prolonged filter life.
6. Remove excess moisture from the gas. Excess moisture can cause icing.
7. Ensure that vented fluids and gasses are done so in a safe and controlled manner. Some gasses can cause suffocation.