

FILTER/ REGULATOR UNIT

70826

Read this manual in full before using this product and retain it for future use. Always use the latest version of the manual. Please visit drapertools.com/manuals for the latest version.

1. Intended Use

This product is designed to eliminate moisture and particulates from compressed air.

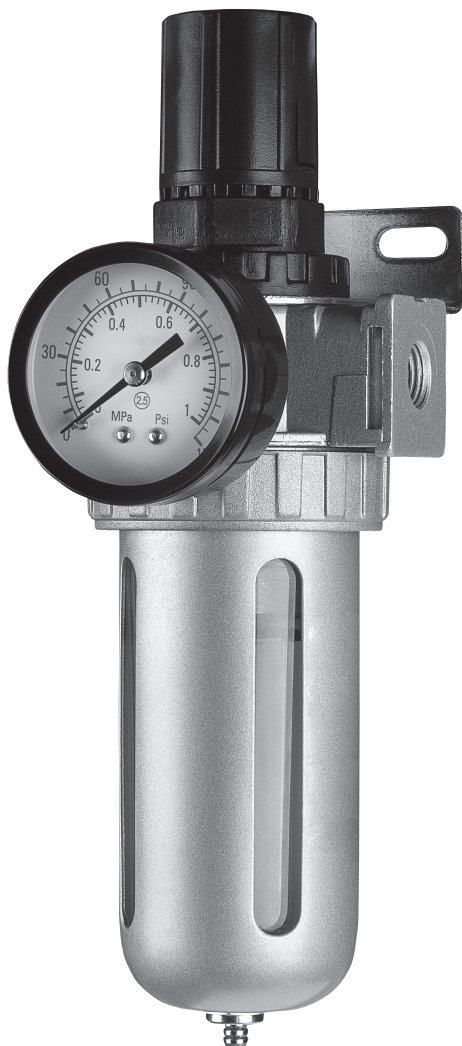
Any other application beyond the conditions established for use will be considered misuse. Draper Tools accepts no responsibility for improper use of this product.

2. Specification

Stock No.	70826
Part No.	DFR
Inlet/outlet thread	1/4" BSP
Max. inlet pressure	1.0MPa (145psi)
Working temperature	5 - 60°C
Filtration element	40um

3. Health and Safety Information

Important: Read all the Health and Safety instructions before attempting to operate or maintain this product. Failure to follow these instructions may result in the equipment malfunctioning, serious injury or damage to the user or the product.



Compressed air is a source of considerable energy. When handling compressed air products, the following precautions must be taken to prevent accidents:

- Ensure that the compressed air is not blocked or in contact with any part of your body.
- Before connecting any pneumatic equipment to the compressed air supply check that all mounted fittings, piping and electrical connections are secure. Remove any plastic plugs used for protection during transportation.
- **DO NOT** attempt to make any alterations, remove fitting or repair equipment while connected to the air supply.
- **DO NOT** exceed the maximum operating pressure, temperature or air flow specified. Failure to do so may result in catastrophic failure of the equipment and result in serious personal injury and/or death. Refer to the individual equipment manual for this information and any other operation or application limitations.
- **DO NOT** install in direct sunlight or near any other heat sources.

3.1 Compressed Air Safety for Pneumatic Equipment



WARNING!

- **Compatibility of pneumatic equipment**
 - The compatibility of the pneumatic equipment is the responsibility of the person who designed it and/or the system specification. This should be based on specifications or after analysis and/ or tests to meet the specific requirements.
- **Repair and maintenance**
 - Assembling, handling or repairing pneumatic systems should only be carried out by trained and experienced operators.
- **Safety First**
 - **DO NOT** service machinery/equipment or remove any components until safety has been checked and confirmed.
 - Inspection and maintenance of machinery/ equipment should only be performed after the compressed air and electrical supply have been disconnected and all residual air in the system has been completely exhausted into the atmosphere.
- Contact the manufacturer if equipment is to be used in conditions outside the given specifications or if used outdoors.

3.2 Product Selection



WARNING!

- Standard filters, regulators, lubricators and filter regulator combinations units should be used in accordance with the specification sheets supplied. While installing and using this regulator, follow the respective specification and instructions manual available for each product.
- **Air Filter and Lubricator**
 - Standard filter and lubricators incorporate polycarbonate bowls and /or observation windows. **DO NOT** use filters and lubricators on an environment that will expose these components to synthetic fluids, organic solvents, corrosive chemicals, cutting lubricants, thread sealants or similar materials.
 - Ensure that the condensate is periodically drained when using manual drain valves on filters.
- **Regulators**
 - Use safety devices to prevent secondary output pressure from rising past the set pressure. This will minimise damage to the components on the secondary side in the event of a malfunction.
 - With a standard regulator when the pressure supply is removed or disconnected, the following may happen:
 - a. The residual pressure will remain on the secondary side of the regulator.
 - b. The pressure on the secondary side of the regulator will exhaust.Add components to the circuit to compensate for either of these conditions.
 - The operation of the regulator may be affected when used in balanced or secondary sealed circuits. Consult the manufacturer with regards to these applications.
- **Lubricators**
 - Ensure a minimum airflow rate for effective lubrication.

3.3 Recommended Air Supply Set Up

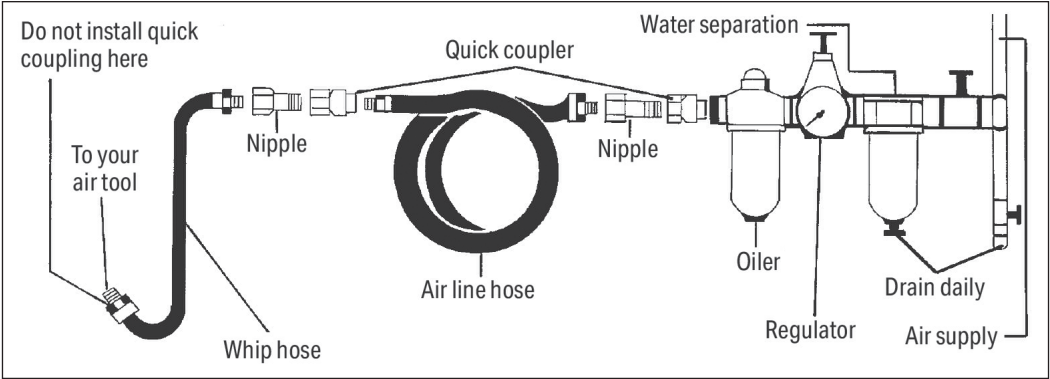
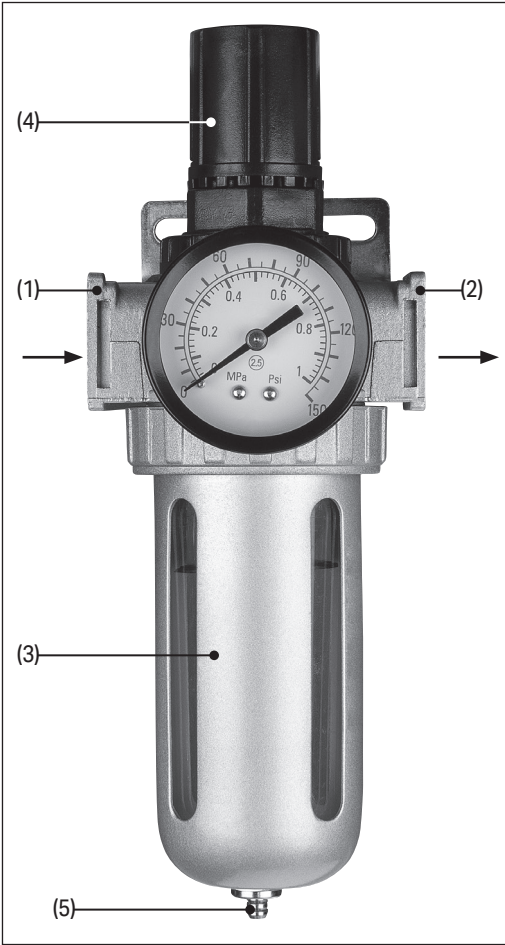


Fig. 1

4. Identification



- (1) Air inlet
 - (2) Air outlet
 - (3) Steel screw on bowl
 - (4) Pressure regulator adjuster
 - (5) Condensate release valve
 - (6) Pressure gauge (supplied not fitted)
- Supplied with wall bracket (fixings not supplied).

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5. Setting the Filter Regulator

Important: Before operating this product, read and understand all the safety instructions listed in this manual. Ensure that the product is fully assembled and correctly prepared for use.

5.1 Regulator

- The output pressure is controlled by the pressure regulator adjuster (4).
- Before pressuring the air system for the first time, pull up and rotate the regulator knob anticlockwise to remove any loading on the regulator spring.
- Pressurise the system and then rotate the pressure regulator adjuster (4) clockwise to set the required output pressure as shown on the gauge (6).

Note: For correct pressure setting always adjust up from a lower pressure.

5.2 Filter

- The bowl should be drained regularly to prevent an excessive build up of water oil.
- Push in the drain valve (5) at the bottom of the bowl, allow to drain and then release.

6. Warranty

12 months from date of purchase -
Visit drapertools.com/warranty for full details.

7. Symbols



Read the instruction manual



Warning!



Inlet/outlet thread



Max. inlet pressure



Working temperature



Filtration element



Net weight

Contact Details

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