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Original Instructions
Version 2 – August 2023



FILTER/ REGULATOR UNIT

24338



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

Designed to clean, dry and regulate compressed air.

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

2. Specification

Stock No.	24338
Part No.	ALFR2
Inlet/Outlet thread	½" BSP
Max. inlet pressure	10bar (140psi)
Max. temperature	60°C
Filtration element	10µ

3. Health and Safety Information

Important: Read all Health and Safety instructions before attempting to operate, maintain or repair this product. Non-compliance with these instructions may result in injury or damage to the user or the product.

3.1 General Safety Instructions For Compressed Air

Following Safety instructions should be strictly followed. Failure to do so may result in accidents, equipment malfunctioning, serious personal Injury and / or loss of life.

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

1. Ensure that compressed air is not blocked or in contact with any part of your body.
2. Before connecting any pneumatic equipment to the compressed air supply, all mounted fittings, piping assemblies and electrical connections should be checked for security. All plastic plugs in the equipment used for protection during shipping should be removed.
3. No piping alterations, removal of fittings, repairing of equipment etc. Should be attempted with air supplies connected. Air and electrical supplies must be disconnected before beginning any adjustment, maintenance or dismantling of equipment.
4. The maximum allowable operating pressures, temperature, flows etc. must be strictly observed. Failure to do so might result in catastrophic failure of equipment, and result in serious personal injury and / or death. Refer to individual catalogues for this information, and any other operating or application limitations.

3.2 Compressed Air Safety for Pneumatic Equipment



WARNING!

1. Compatibility of pneumatic equipment

Ensuring the compatibility of the procured FRL equipment is the responsibility of the person who designs the Pneumatic system and/ or System specifications. This should be based on specifications or after analysis and / or tests to meet specific requirements.

2. Repair & Maintenance

Assembly, handling, or repair of pneumatic systems should be performed by only trained and experienced operators.

3. Safety First

Do not service machinery / equipment or attempt to remove any component until safety is confirmed.

- Inspection and maintenance of machinery / equipment should only be performed after confirmation that both compressed air and electrical supply have been positively disconnected and all residual compressed air in the system has been completely exhausted to the atmosphere.

4. Contact the manufacturer if equipment is to be used in any of the following conditions:

- Equipment is to be used in conditions beyond the given specifications, or if equipment is to be used outdoors.
- Equipment is to be used in conjunction with atomic energy, railroad, air navigation, automobiles or related vehicles, medical equipment or safety equipment.
- In applications that adversely effect humans, animals, or property requiring special safety analysis.

3.3 Product Selection



WARNING! Standard Filters, Regulators, Lubricators and Filter- Regulator Combination units should be used in accordance with the specifications mentioned in the specification sheets. While installing and using this equipment, please also follow the respective specification & instruction manual available for each product.

Wherever this symbol  is shown, it indicates **CAUTION!** and/or **WARNING!**

It indicates that operator error can lead to damage and malfunctioning of the pneumatic equipment and can lead to serious personal injury or loss of life.

1. Air Filter and Lubricator

Standard Filters and Lubricators incorporate polycarbonate bowls and / or observation windows. Do not use filters & lubricators in an environment that will expose the above components to synthetic fluids, organic solvents, corrosive chemicals, cutting lubricants, thread sealant or similar materials.

Make sure that the condensate in periodically drained when using manual drain valves on Filters.

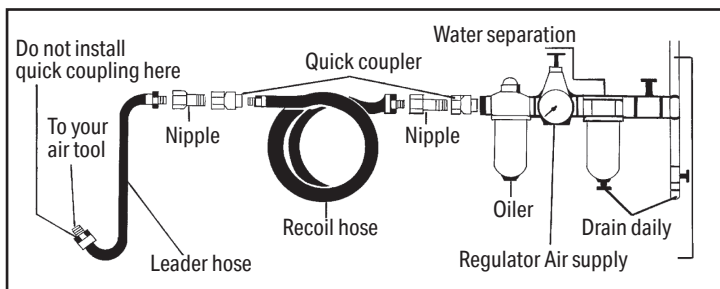
2. Regulator

- a. Safety devices shall be placed to prevent secondary (output) pressure from rising past the set pressure.
This will ensure that damage to the components on the secondary side will be minimized in the event of a malfunction.
- b. In a standard regulator, when the supply pressure is removed or disconnected, either of the following may happen:
 - The residual pressure will remain on the secondary side of the regulator.
 - The pressure on the secondary side of the regulator will exhaust.
The designer should add components to the circuit to compensate for any of the above conditions.
- c. Regulator operation may be affected when used in Balanced or Secondary sealed circuits. Please consult the manufacturer regarding these applications.

3. Lubricators

Ensure proper function of the Lubricator. Minimum airflow rate should be ensured for effective lubrication.

3.4 Recommended Air Supply Set Up



4. Identification

- (1) Air inlet
- (2) Air outlet
- (3) Metal bowl cover
- (4) Pressure regulator adjuster
- (5) Condensate release valve
- (6) Outer cover release catch
- (7) Identification

5. Setting The Unit

5.1 Regulator

The output pressure is controlled by (4) the pressure regulator adjuster.

Before pressurising the air system for the first time, pull up and rotate the knob anticlockwise to remove any loading on the regulator spring.

Pressurise the system and then rotate (4) the pressure regulator adjuster clockwise to set required output pressure, as shown on gauge.

When the required pressure is achieved push in (4) the pressure regulator adjuster to prevent inadvertent adjustment.

NOTE: For correct pressure setting always adjust up from a lower pressure. Therefore to reset from 80 to 70psi for example, reduce pressure from 80 to 60psi and then increase to 70psi.

5.2 Filter

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

6. Warranty

Draper Tools products are carefully tested and inspected before shipment and are guaranteed to be free from defective materials and workmanship.

Should the tool develop a fault, return the complete tool to your nearest distributor or contact Draper Tools directly. Contact information can be found at the back of this manual.

Proof of purchase must be provided.

If, upon inspection, it is found that the fault occurring is due to defective materials or workmanship, repairs will be carried out free of charge. This warranty period covers parts and labour for 12 months from the date of purchase. Where tools have been hired out, the warranty period covers 90 days from the date of purchase.

This warranty does not apply to any consumable parts, batteries or normal wear and tear, nor does it cover any damage caused by misuse, careless or unsafe handling, alterations, accidents, or repairs attempted or made by any personnel other than the authorised Draper Tools repair agent.

In all cases, to make a claim for faulty workmanship or materials within the standard warranty period, please contact or return the product to the place of purchase. Proof of purchase may be required.

If the place of purchase is no longer trading or if you experience any difficulties with your warranty, please contact Customer Services with the product details and your proof of purchase. Contact details can be found at the back of this manual.

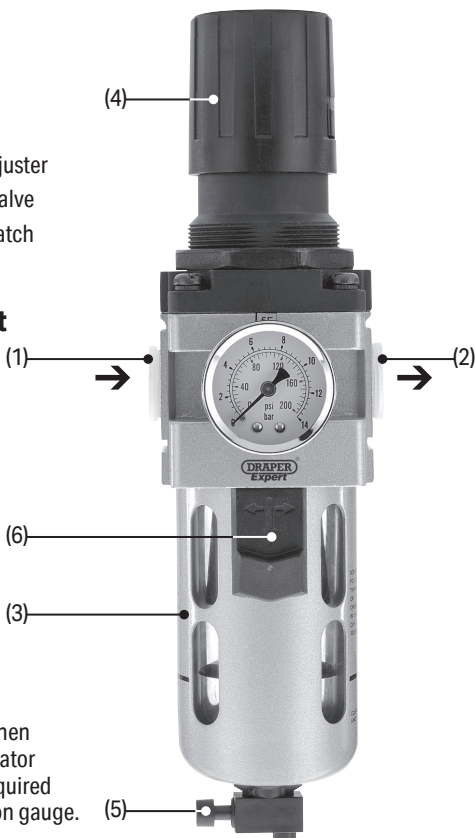
If the tool is not covered by the terms of this warranty, repairs and carriage charges will be quoted and charged accordingly.

This warranty supersedes any other guarantees expressed or implied and variations of its terms are not authorised.

Your Draper Tools guarantee is not effective until you can produce, upon request, a dated receipt or invoice to verify your purchase within the guarantee period.

Please note that this warranty is an additional benefit and does not affect your statutory rights.

Draper Tools Limited



7. Symbols



Read the
instruction
manual



Max. inlet pressure



Warning!



Max. temperature



Inlet/Outlet thread



Filtration element



Max. inlet pressure

Draper Tools

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