



## AIR FILTER/REGULATOR/ LUBRICATOR HEAVY-DUTY

CT0770



**IMPORTANT: READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS AND CAUTIONS. USE THE TOOL CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. PLEASE KEEP INSTRUCTIONS SAFE FOR FUTURE USE.**

### 1. SAFETY INSTRUCTIONS

- **WARNING!** Ensure Health & Safety, local authority, and general workshop practice regulations are adhered to when using this equipment.
- **WARNING!** Disconnect the equipment from the air supply before changing accessories, servicing or performing any maintenance.
- Keep the equipment clean and maintain it in good condition (use an authorised service agent).
- Replace or repair damaged parts. Use genuine parts only. Unauthorised parts may be dangerous and will invalidate the warranty.
- **WARNING!** Ensure that the correct air pressure is maintained and not exceeded.
- Keep air hose away from heat, oil and sharp edges. Check air hoses for wear before each use and ensure that all connections are secure.
- **DO NOT** install in direct sunlight or near any other heat source.
- **DO NOT** direct air from the air hose at yourself, others or animals.
- Drain the air tank daily. Water in the air line will damage equipment.
- When work is complete ensure that the air supply is turned off.
- If in any doubt about correct installation of this equipment consult an experienced engineer.

## 2. INTRODUCTION & SPECIFICATION

This product is designed to provide clean, filtered air (filter), easy and reliable pressure control (regulator) and automatic mist lubrication for tools (lubricator). Filter and lubricator have poly carbonate bowls protected by bowl guards.

### SPECIFICATION:

Port Size: 1/2" BSP

Maximum Supply Pressure: 150psi

Maximum Outlet Pressure: 125psi

Maximum Airflow: 28cfm

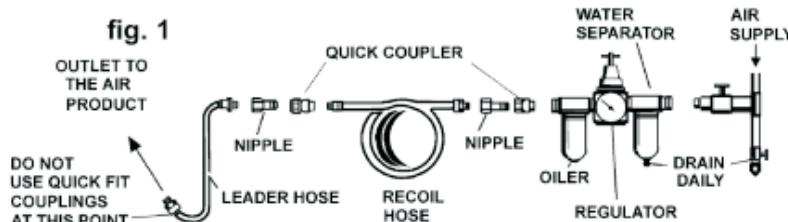
Supply Pressure of 100psi

**WARNING!** Filter and lubricator bowls are manufactured from polycarbonate and must not be used at temperatures over 140°F (60°C) or for pressures over 150psi (10.3 bar). Polycarbonate can be damaged and may fail if exposed to, internally or externally, certain solvents, strong alkalis, compressor oils containing aromatic hydrocarbons or fire retardant oils, or the fumes of any of these. Clean with warm water only.

## 3. CONTENT & INSTALLATION

1. Confirm that all items are present and undamaged. If any parts are missing or damaged please contact the supplier.  
Filter/regulator/lubricator/mounting bracket assembly, gauge and 2 fittings (1/2.-1/4.BSP).
2. Fig.1 shows a typical air line installation. The filter is located upstream of the regulator - unless combined, and the lubricator downstream.
  - 3.2.1. Filter/Regulator & Filter/Regulator/Lubricator - Install using the bracket provided. Before connecting system piping ensure that gauge is visible, unused gauge port is sealed with plug provided and that flow direction arrows match system air flow.
  - 3.2.2. Filter and Lubricator - Install into air piping or connect directly to bracket mounted regulator. Always check that flow arrows are correct and that filter is upstream, and lubricator downstream, of the regulator.

**Note:** To ensure air-tight joints use PTFE tape.



## 4. OPERATION

- 4.1. Regulator - The output pressure is controlled by the knob. Before pressurising air system for the first time lift and rotate knob anticlockwise to remove any loading on the regulator spring. Pressurise the system and then rotate knob clockwise to set required output pressure, as shown on gauge. When the required pressure is achieved lock knob by pushing down.

**Note:** For correct pressure setting always adjust upwards from a lower pressure. Therefore to reset from 90 to 70psi, for example, reduce pressure from 90 to 60psi and then increase from 60 to 70psi.

- 4.2. Filter - The bowl will automatically drain each time the system pressure drops to zero. However, if the fluid level reaches the maximum mark but the system is to remain pressurised the bowl can be manually drained by pushing the drain stub upward. Note that the stub is designed to take a flexible tube so that the waste fluid can be piped away.

- 4.3. Lubricator - Remove filler plug (fig.2.A) and fill bowl with air tool oil. This can be done with air line pressurised. With air flowing through the lubricator the oil delivery rate can be adjusted by screw "B" whilst watching the drip rate through the sight dome "C". The oil delivery rate will be automatically increased or decreased in line with the air flow.

