

# Jefferson®

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## IMPORTANT! SAFETY FIRST!

Before attempting to use this product please read all the safety precautions and operating instructions outlined in this manual to reduce the risk of fire, electric shock and personal injury.

Jefferson Tools, Herons Way, Chester Business Park, Chester, United Kingdom, CH4 9QR  
Tel. +44 (0)1244 646 048  
Email: sales@jeffersontools.com

[www.jeffersontools.com](http://www.jeffersontools.com)

## User Manual

Filter Regulator • Filter Regulator / Lubricator

JEFFR2000-02 • JEFFR4000-04 • JEFFR5000-06 • JEFFR5000-10  
JEFFRAL2010-02 • JEFFRAL4010-04 • JEFFRAL5010-06 • JEFFRAL5010-10



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## Operating Instructions

The system pressure, medium temperature and pressure regulating range for operating this equipment should meet the parameters specified in the table below.

Maximum working pressure:	1.0Mpa (10.2kgf/ cm <sup>3</sup> )
Environment and fluid temperature:	5 ~ 60°C
Recommended Oil Type:	Turbine 1 (ISOVG32)
Cup shield:	1000~2000 (without cup shield) 2500~6000 (with cup shield)
Pressure regulating range:	0.05-0.85Mpa (0.51-8.7kgf/cm <sup>3</sup> )
Valve Type:	With overflow

## Installation

Prior to installation ensure that all of the connecting pipes and joints are clean and free of dust and debris to prevent dirt from entering the airline.

Make sure that the airflow direction is consistent with the arrow indicated on the equipment. Check all of the pipes and connections are fitted and tightened correctly.

## Pressure Adjustment

Pull the regulator knob upwards and rotate it clockwise to allow the pressure to rise. Rotate the knob counter-clockwise to reduce the pressure. Press the regulator knob down to set and lock the pressure at the required level.

## Drainage

Water will be discharged automatically when the system is not pressurised.

When the system is pressurised you can manually drain the filter by pushing the drain column upwards to discharge the water. Release the drain column when the drainage is complete.

**Note:** When the water level exceeds the upper limit ensure that system is drained immediately otherwise it will lead to poor performance and inadequate dehumidification.

## Oil Volume Adjustment (Lubricator only)

To adjust the volume of oil released into the air:

- rotate the needle valve clockwise to **decrease** the oil supply
- rotate the needle valve anti clockwise to **increase** the oil supply

## Topping Up The Oil Level (Lubricator only)

You can top up the oil level without turning off the airline by turning the screw counterclockwise and filling to the level indicated. Care should be taken not to exceed 80% of the marked max. volume level. Ensure that you tighten the screw again after topping up the oil level.

**Note:** Never remove the oil vessel to top up the oil level.

## Maintenance

Ensure that vessels and filters are checked regularly and remove any dirt, grease or debris. Replace filters if required.