

1/2" NPT AIR FILTER/ REGULATOR SYSTEM INSTRUCTIONS



The **ROCKWOOD 1/2" NPT AIR FILTER/REGULATOR** includes a high-capacity, drainable Coalescing Filter and Bowl to trap moisture and other impurities from a compressed air supply. The Regulator features a 0 to 230 PSI Gauge. Also included is an integral mounting bracket for secure mounting.

CONTENTS

- (1) 1/2" FNPT integral Filter/Regulator with Drain Valve
- (1) Mounting Bracket
- (1) Pressure Gauge

SPECIFICATIONS

- 1/2" FNPT Inlet
- 1/2" FNPT Outlet
- Maximum 250 PSI (17.2 bar) service pressure
- Maximum 140°F (60°C) service temperature



SAFETY INFORMATION

The following explanations are displayed in this manual, on the labeling, and on all other information provided with this product:

⚠ DANGER

DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

⚠ WARNING

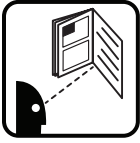
WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

⚠ CAUTION

CAUTION used with the safety alert symbol, indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

⚠ NOTICE

NOTICE is used to address practices not related to personal injury.



⚠ READ INSTRUCTIONS

- Thoroughly read and understand these product instructions before using this equipment. Failure to follow all warnings can result in tool damage or serious physical injury.
- Keep these product instructions for future reference.



⚠ DANGER

- This device is specifically designed to be used for compressed air ONLY. Use with any other fluid (liquid or gas) is a misapplication and not permitted. Use with certain hazardous liquids or gasses could be harmful to the unit or result in a combustible condition or hazardous external leakage.



⚠ WARNING EYE INJURY HAZARD!

- Always wear ANSI Z87 approved eye protection when operating this Air Filter/Regulator. Air, moisture and debris can be ejected at high velocity while using this equipment.

⚠ WARNING HEALTH HAZARD!

- Air discharged from this Air Filter/Regulator is not intended for and should never be used as supply air for human consumption.



⚠ CAUTION EXPLOSION HAZARD!

- Do not exceed 250 psi (17.2 bar) of tool inlet pressure. Permanent equipment damage and/or bursting could occur and cause personal injury.

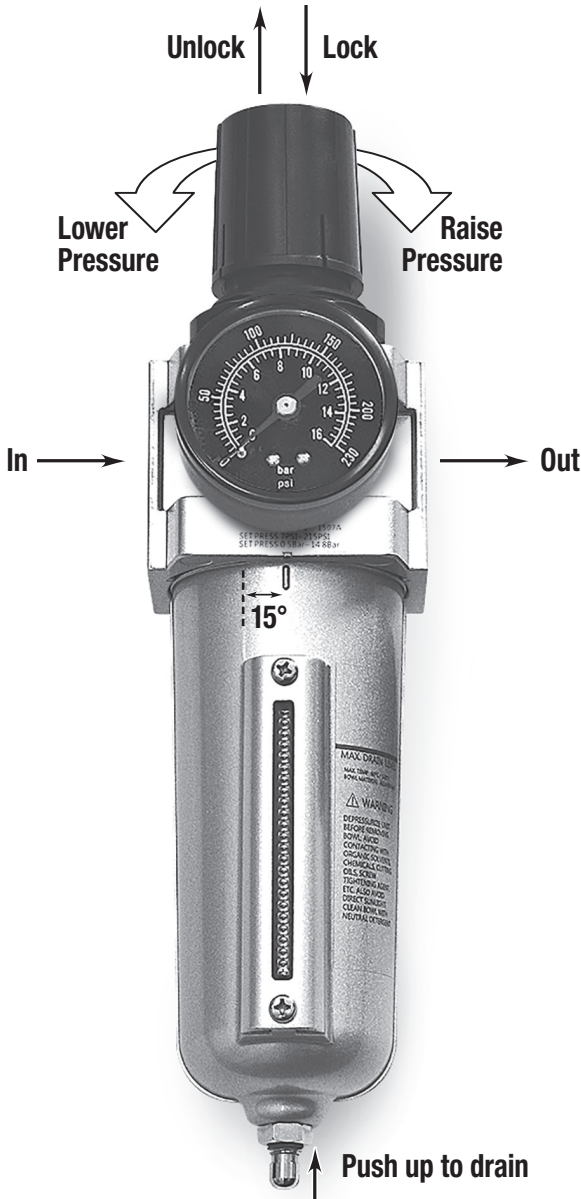
⚠ CAUTION INJURY HAZARD!

- This Air Filter/Regulator can quickly release moisture and other debris while connected to an air supply causing serious personal injury. Always shut off the air supply to the Air Filter/Regulator and depressurize before draining moisture or other maintenance.

ASSEMBLY

- Wrap a good quality Teflon Sealing Tape (not included) around the threads of the Pressure Gauge.
- Thread the Pressure Gauge into the open port at the front of the Filter/Regulator unit (**FIG 1**).

FIG. 1



INSTALLATION

⚠ WARNING

Shut-off and release all pressure from air lines and the system before attempting any installation, servicing or performing any maintenance.

- A suitable air shut-off valve (Not Included) should be installed before the Filter/Regulator so the unit can be easily depressurized for servicing.
- The Filter/Regulator should be installed as close as possible to any air tools and spray guns to be used.
- Securely mount the Filter/Regulator in a vertical position using the integral mounting bracket.
- Connect the Filter/Regulator with the cast-in direction arrows consistent with the connecting inlet and outlet piping.
- Be sure to connect outlet to a clean air hose to prevent contamination of the filtered & dried air.
- Open inlet valve to pressurize system and check for leaks.

NOTE: For best results, install an Eastwood #31727, Rockwood 1/2" NPT Air Filter/Dryer (not included) after this Filter/Regulator.

OPERATION

- Pull upward on Locking Cap until a “snap” is heard.
- Rotate Locking Cap in a *Clockwise* direction as viewed from the *top* to increase air pressure setting.
- Rotate Locking Cap in a *Counter-Clockwise* direction as viewed from the *top* to decrease air pressure setting.
- Push downward on Locking Cap until a “snap” is heard to lock the setting.

MAINTENANCE

⚠ WARNING

Shut-off and release all pressure from air lines and the system before attempting any installation, servicing or performing any maintenance.

DRAINING MOISTURE

Drain moisture from Filter Bowl after every use. The level of accumulated moisture is visible through the vertical Level Indicating Window of the Filter Bowl Housing. DO NOT allow the moisture level to reach the top of the Level Indicating Window.

⚠ NOTICE

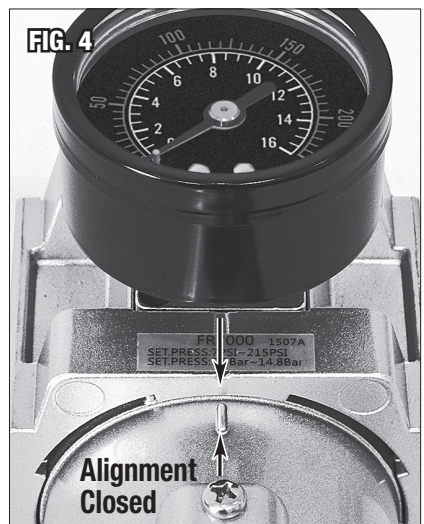
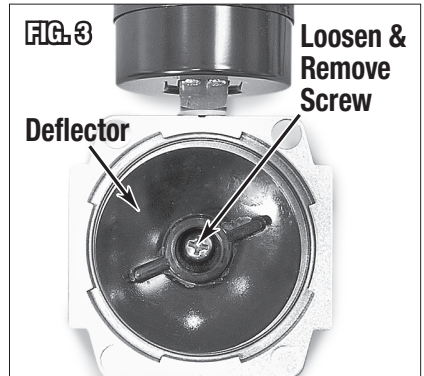
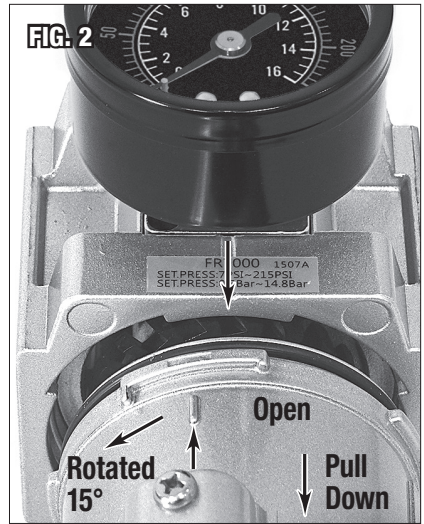
Be sure the system pressure is 10 PSI [0.7 bar] or less before draining.

- **To Drain:** Push upward on the spring-loaded valve (**FIG 1**).
- Allow accumulated moisture to drain.
- When moisture stops flowing, release the spring-loaded drain.

REPLACE COALESCING FILTER ELEMENT

The Filter needs to be changed when the Pressure Gauge reads 10 PSI (0.7 bar) less than the one at the compressor tank gauge.

- Drain moisture from Filter Bowl as described previously.
- Rotate the Bowl Housing 15° in a Clockwise direction, as viewed from the top of the Housing, to loosen (FIG 2).
- Remove Bowl Housing and Bowl.
- Dry any residual moisture remaining inside the Bowl.
- Remove the Philips head screw and Deflector then pull out the Filter Element (FIG 3).
- Install replacement Filter Element and replace Deflector and Screw.
- Re-attach Bowl onto Filter Housing. Be sure the alignment marks in the Filter and Bowl housings are matched and the Bowl securely tightened before pressurizing unit (FIG 4).



ADDITIONAL ITEMS

- #31727 Rockwood 1/2" NPT Air Filter/Dryer
- #31802 Rockwood Replacement filter for #31374, 1/2" NPT Air Filter Regulator

If you have any questions about the use of this product, please contact

The Eastwood Technical Assistance Service Department: 800.343.9353 >> email: techelp@eastwood.com

PDF version of this manual is available online >> eastwood.com/31734manual

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