

*Eastwood*<sup>®</sup>

DO THE JOB RIGHT.<sup>®</sup>

Item #31633

# COMPLETE FILTRATION SYSTEM INSTRUCTIONS



The **EASTWOOD C.F.S.** (Complete Filtration System) includes a high-capacity canister with a long-life 1-micron coalescing filter, and petcock drain to trap moisture and other impurities from a compressed air supply. The Regulator features a 0 to 160 PSI Gauge. It also features an integral mounting bracket for secure mounting and can be easily upgraded to air drying capability with the optional DeVilbiss® #130524 Desiccant Kit (Eastwood item #51567).

## CONTENTS

- (1) 1/2" FNPT, 1-Micron Coalescing, Filter/Regulator with Drain Valve
- (1) Regulator
- (1) Regulator Key
- (1) Pressure Gauge
- (1) 5mm Hex Key
- (1) 8" Adapter Stem (To accept optional Eastwood #51567 or DeVilbiss #130524 Desiccant Air Filter)



## SPECIFICATIONS

- 1/2" NPT Female Inlet
- 1/4" NPT Male Outlet
- Maximum service pressure: 150 PSI (10.3 bar)
- Air flow capacity: 50 CFM
- Maximum service temperature: 150°F (65°C)
- Filter Size: 1 micron

## 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.

# SAFETY INFORMATION



## **⚠ 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!**

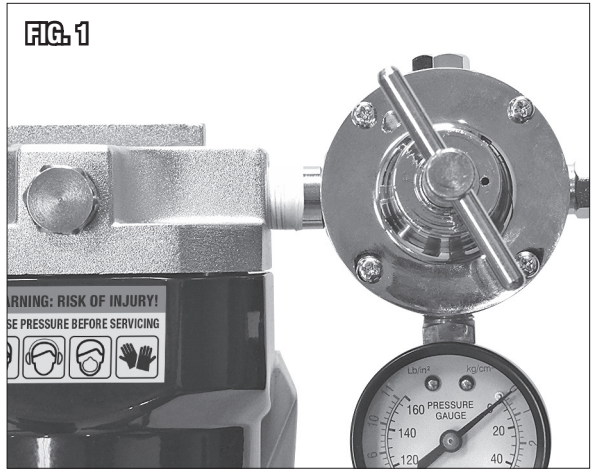
- Do not exceed 150 PSI (10.3 bar) of inlet air pressure. Permanent equipment damage and/or bursting could occur and cause personal injury.

## **⚠ 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, changing desiccant or other maintenance.

# ASSEMBLY

- Thread the Regulator unit into the 1/2" FNPT port on the right side of the Housing (FIG 1).
- Thread the Regulator Key into the opening at the front of the Regulator unit (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.**

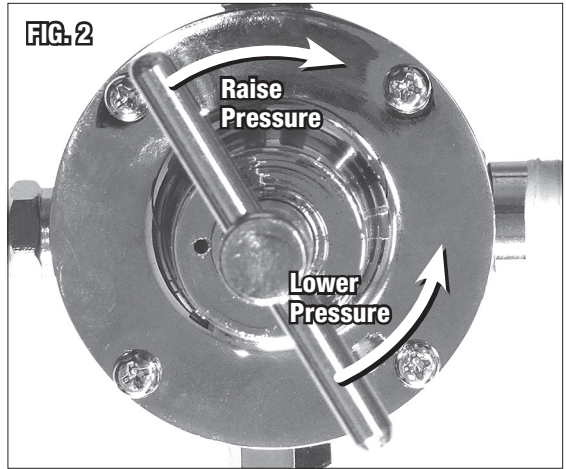
## **⚠ NOTICE**

**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 unit in a vertical position using the integral mounting bracket.
- Connect the air inlet to the 1/2" FNPT at the cast-in, "AIR IN" port of the Housing
- 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.

# OPERATION

- Rotate in a *Clockwise* direction to increase air pressure setting (FIG 2).
- Rotate Regulator Key in a *Counter-Clockwise* direction to decrease air pressure setting (FIG 2).



# MAINTENANCE

## **⚠ WARNING**

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

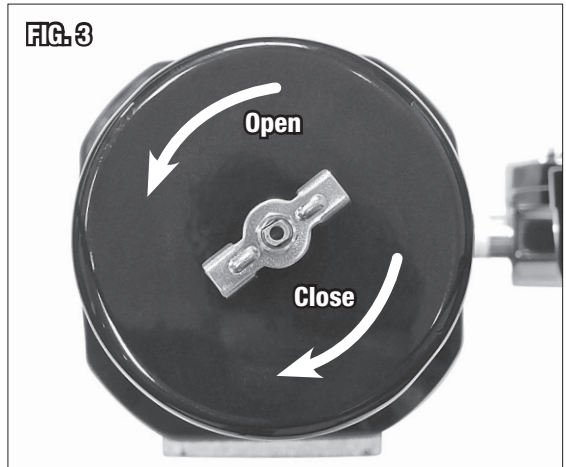
## DRAINING MOISTURE

Drain moisture from the petcock at the underside of the Canister after every use.

## **⚠ NOTICE**

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

- To Drain: Rotate the Petcock in a *Counter-Clockwise* direction (as viewed from the bottom) to drain (FIG 3).
- Allow accumulated moisture to drain.
- When moisture stops flowing, rotate the Petcock in a *Clockwise* direction (as viewed from the bottom) to close.



# INSTALL THE OPTIONAL DEVILBISS 130524 DESICCANT KIT

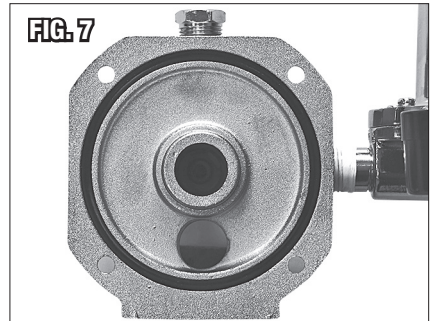
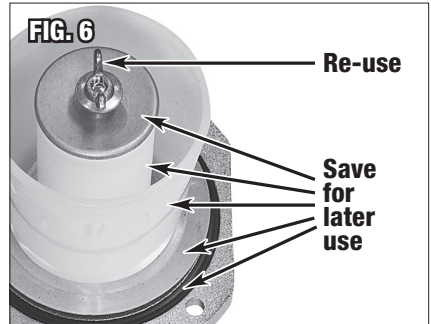
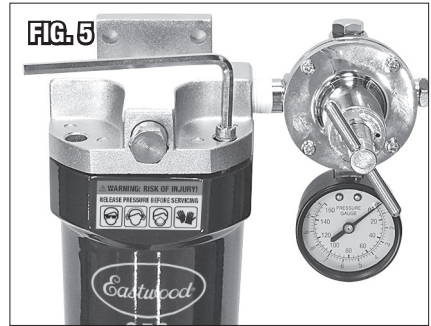
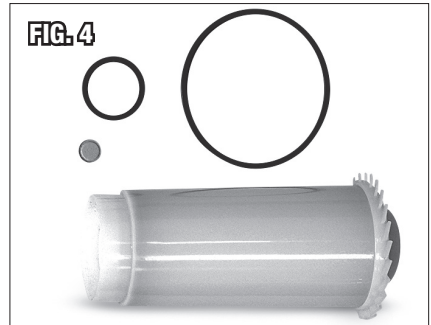
This unit can be easily retrofitted with the optional 130524 Devilbiss Desiccant Kit (Eastwood Item #51567) which will add air drying capability to this unit in addition to moisture removal.

## **⚠ WARNING**

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

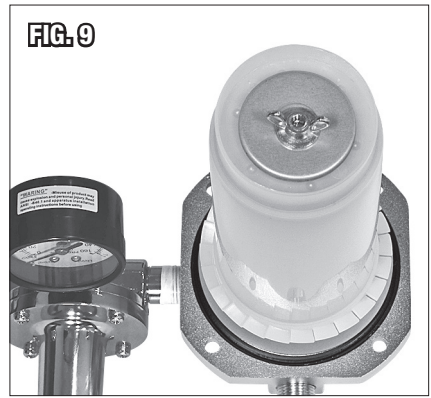
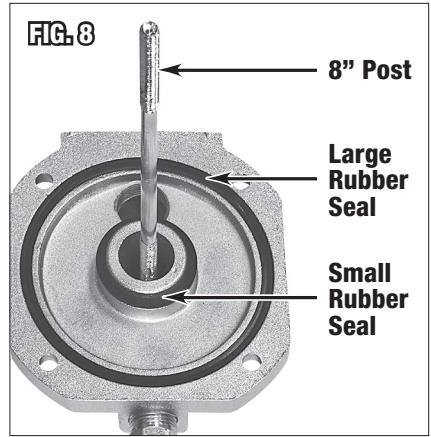
## DISASSEMBLY

- Drain moisture from Canister as described previously.
- Using the included 5mm Hex Key, remove the Canister from the Housing (FIG 5).
- Dry any residual moisture remaining inside the Bowl.
- Remove the wing nut, metal end cap, filter, cup, metal deflector and large rubber seal and save for future use (FIG 6).
- Unthread and save the threaded metal post for future use with original air filter (FIG 7).



## ASSEMBLY

- Thread in 8" Metal Post and tighten securely (**FIG 8**).
- Install Small Rubber Seal to center boss of housing and Large Rubber Seal to machined groove (**FIG 8**).
- Place Plastic Desiccant Canister over center boss and Rubber Seal, thread on wing nut and tighten securely (**FIG 9**).
- Reinstall Canister to Housing and tighten socket head cap screws with included 5mm Hex Key.





# REPLACE EASTWOOD #31882 C.F.S. FILTER

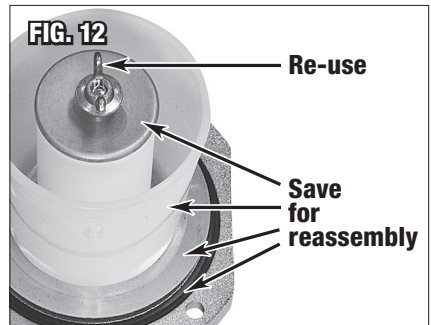
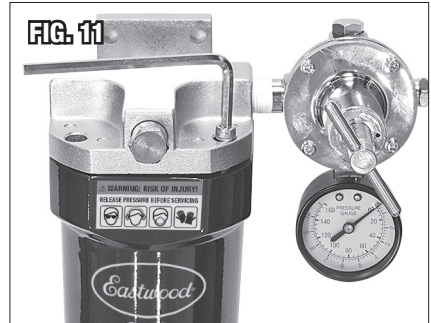
This unit can have it's #31882 Filter replaced (FIG 10) which removes moisture from the air.

## **⚠ WARNING**

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

## DISASSEMBLY

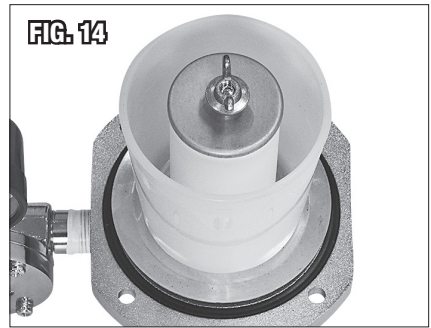
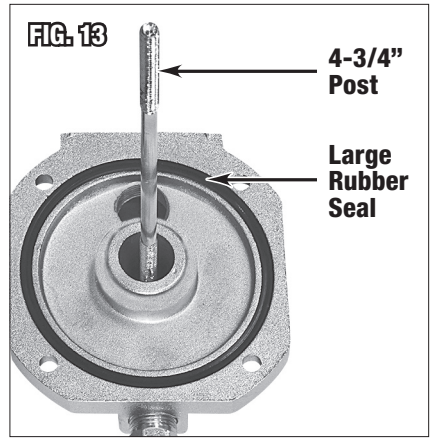
- Drain moisture from Canister as described previously.
- Using the included 5mm Hex Key, remove the Canister from the Housing (FIG 11).
- Dry any residual moisture remaining inside the Bowl.
- Remove the wing nut, metal end cap, filter, cup, metal deflector, and large rubber seal
- Save wing nut, metal end cap, cup, and metal deflector for reassembly (FIG 12).
- Dispose of old Filter and large rubber Seal.





## ASSEMBLY

- Install new Large Rubber Seal to machined groove (**FIG 13**).
- In order, reassemble over center boss, metal deflector (flange up), cup, filter, metal end cap and tighten wing nut securely (**FIG 14**).
- Reinstall Canister to Housing and tighten socket head cap screws with included 5mm Hex Key.







# ADDITIONAL ITEMS

- #51567 DeVilbiss QC3 Desiccant Air Filter
- #31882 Eastwood C.F.S Filter
- #51537 RapidAir Master Garage Air Line Kit
- #13600 RapidAir 3/4" Professional Compressed Air Line Kit
- #32499 Eastwood 50' Retractable Air Hose Reel with Hybrid Flex Polymer Hose
- #70449 Eastwood 3/8" x 50' Retractable Air Hose Reel
- #32153 Tru-Flate HI FLO® Aluminum Couplers & Plugs 10-Piece Kit
- #32154 Tru-Match™ Air Couplers & Plugs 7-Piece Kit

---

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

The Eastwood Technical Assistance Service Department: 800.343.9353 >> email: [tech@eastwood.com](mailto:tech@eastwood.com)

PDF version of this manual is available at [eastwood.com](http://eastwood.com)

The Eastwood Company 263 Shoemaker Road, Pottstown, PA 19464, USA

800.343.9353 [eastwood.com](http://eastwood.com)