

# In-Line Filters and Coalescers with Automatic Drains

310611G

EN

## Air Filter with Automatic Drain

**Part No. 22601, Series B**

### Maintenance

To maintain maximum filtering efficiency and to avoid excessive pressure drop, the filter must be kept clean. Bowl drainage is automatic with the float drain. Remove the bowl to drain manually. A visible coating of dirt on the filter element surface or an excessive pressure drop is an indication that cleaning is necessary.

### Cleaning

To clean, it is not necessary to remove the complete filter from the line. Disassembly is simple and does not require tools. Before disassembly, shut off the air supply and depressurize filter. Clean all parts with cleaning solvent and blow out filter body before reassembly. Wash filter element in cleaning solvent and blow out from the inside.

### Automatic Drain

The Automatic drain is equipped with a float actuated device which automatically ejects liquid contaminants under pressure.

### Specifications

- Air Inlet 1/2 in. F.P.T.
- Air Outlet 1/2 in. F.P.T.
- Air Flow Capacity 100 cfm (3.2 m<sup>3</sup>/min.) at 100 psi (0.7 MPa, 7 bar)
- Max. Operating Pressure 175 psi (1.2 MPa, 12 bar)
- Max. Temperature 150°F (65°C)

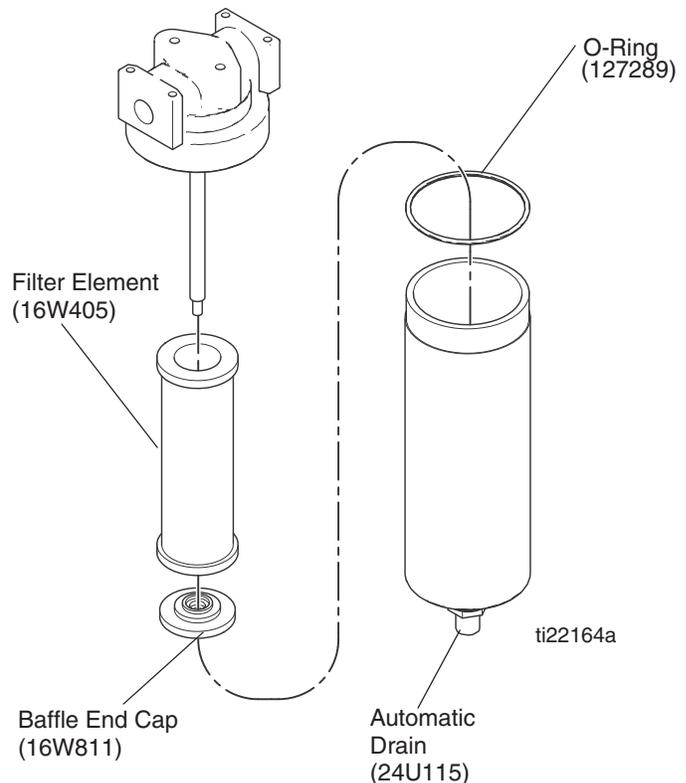
### Parts (Series B)

Part No.	Description
24U115	Automatic Drain
127289	O-Ring
16W811	Baffle End Cap
16W405	Filter Element



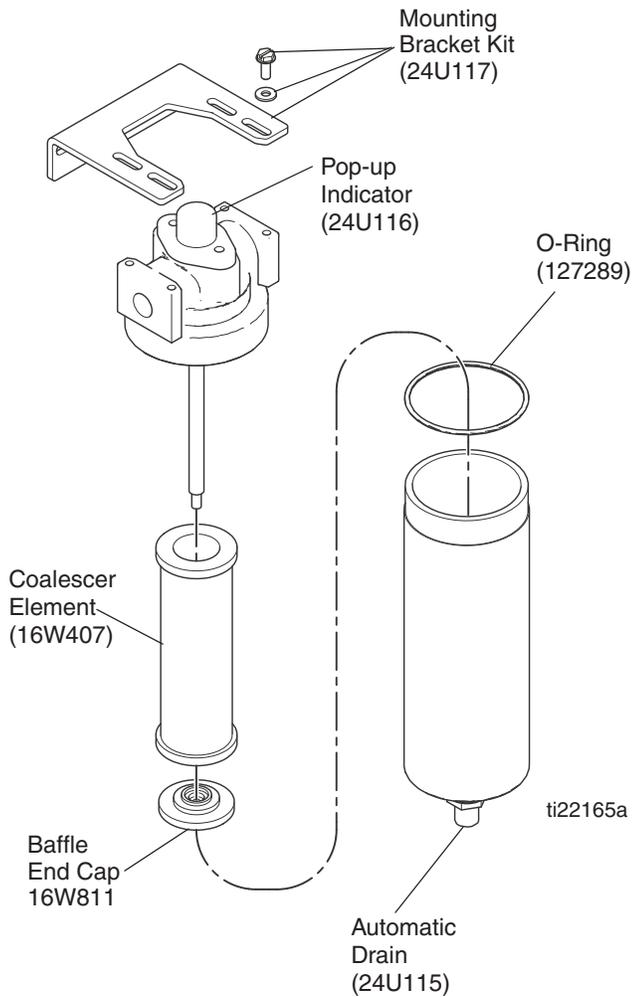
### Important Safety Instructions

Read all warnings and instructions in your equipment manual. Save all instructions.



# Coalescer with Automatic Drain

(Part No. 22605, Series B)



## Installation

It is always recommended that a Sharpe air filter be installed upstream of the coalescing filter to remove 0.01 micron and larger size particles and separate large droplets of moisture from the air line.

## Maintenance

To maintain maximum filtering efficiency and to avoid excessive pressure drop, the filter must be kept clean. Bowl drainage is automatic with the float drain. Remove the bowl to drain manually. A visible coating of dirt on the filter element surface or an excessive pressure drop is an indication that cleaning is necessary.

## Cleaning

To clean, it is not necessary to remove the complete filter from the line. Disassembly is simple and does not require tools. Before disassembly, shut off the air supply and depressurize coalescer. Clean all parts with cleaning solvent and blow out body before reassembly. Replace coalescing element (part no. 16W407).

## Pressure Drop Indicator

The differential pressure drop indicator on this unit is designed to provide early detection of a clogged coalescing filter element. As the filter element becomes clogged the red indicator will start to rise while air is flowing through the unit. When the pressure drop across the element reaches 10-12 psi (.07-.08 MPa, 0.7-0.8 bar) the red indicator will be in full view and the element should be replaced. Failure to replace the element when the pressure drop exceeds 10 psi (.07 MPa, 0.7 bar) will affect your air quality and tool efficiency.

## Specifications

Air Inlet 1/2 in. F.P.T.  
 Air Outlet 1/2 in. F.P.T.  
 Air Flow Capacity 50 cfm (2 m<sup>3</sup>/min.) at 100 psi (0.7 MPa, 7 bar)  
 Max. Operating Pressure 175 psi (1.2 MPa, 12 bar)  
 Max. Temperature 150°F (65°C)

## Parts (Series B)

Part No.	Description
24U115	Automatic Drain
24U117	Mounting Bracket Kit
127289	O-Ring
24U116	Pop-up Indicator Repair Kit
16W407	0.01 Micron Coalescer Element
16W811	Baffle End Cap

## Model 707F 3/4 in. In-Line Filter with Automatic Drain

(Part No. 6920)

- Removes all liquids (oil and water)
- Filters Particulate down to 5 microns
- Features large REUSABLE filter element
- Disassemble and clean without tools

### Specifications

Air Inlet 3/4 in. F.P.T.

Air Outlet 3/4 in. F.P.T.

Air Flow Capacity 300 cfm (8.4 m<sup>3</sup>/min.)

Max. Operating Pressure 175 psi (1.2 MPa, 12 bar)

Max. Temperature 150°F (65°C)

## Model 707C 3/4 in. In-Line Coalescer with Automatic Drain

(Part No. 6930)

- Effectively traps fine oil mists and microscopic particles down to 0.01 microns
- Spin-off bowl and coalescer filter element for quick filter changes without tools
- Includes pressure drop indicator
- Recommended downstream of your refrigerated air dryer

### Specifications

Air Inlet 3/4 in. F.P.T.

Air Outlet 3/4 in. F.P.T.

Air Flow Capacity 115 cfm (3.2 m<sup>3</sup>/min.)

Max. Operating Pressure 175 psi (1.2 MPa, 12 bar)

Max. Temperature 150°F (65°C)

## Model 707FC 1/2 in. In-Line Filter & Coalescer with Automatic Drains

(Part No. 6910, Series C)

- Designed for use in prep stations
- Clean, dry air without the use of desiccant
- Ideal for protecting moisture sensitive tools
- STAGE 1 provides removal of water and contaminants down to 3 microns
- STAGE 2 provides removal of oil and sub-micronic particles down to 0.01 microns
- Disassemble and clean without tools

### Specifications

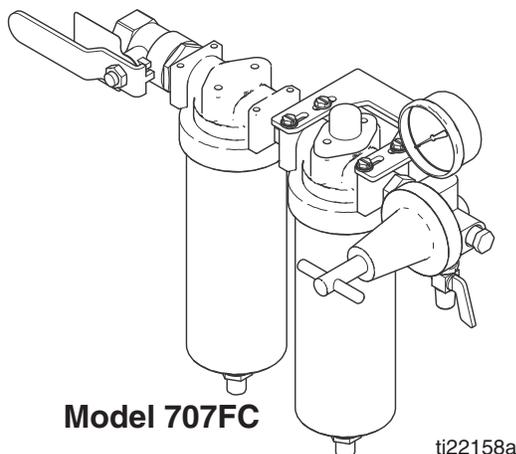
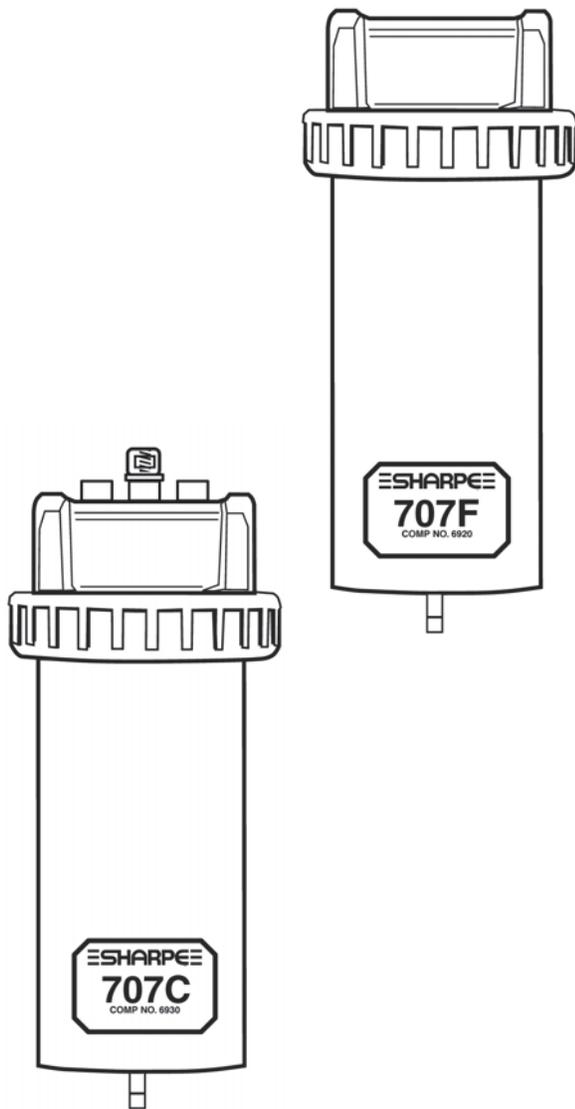
Air Inlet 1/2 in. F.P.T.

Air Outlet 1/2 in. F.P.T.

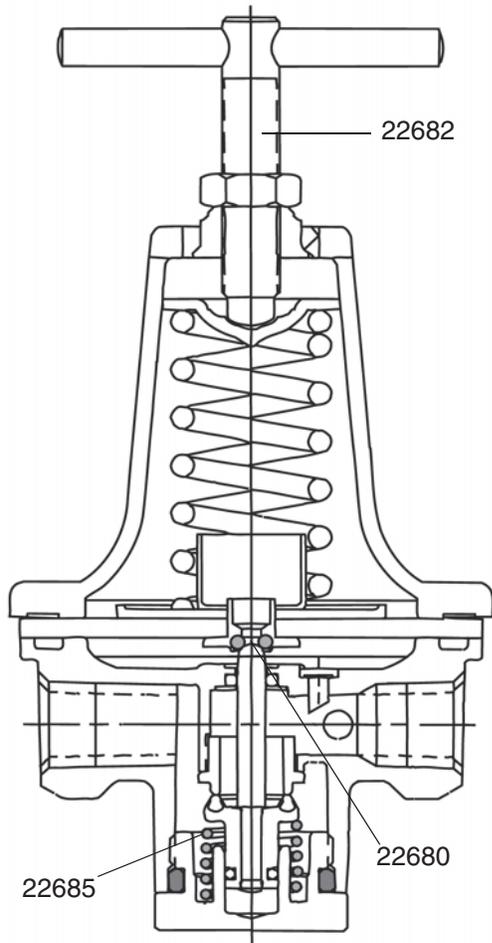
Air Flow Capacity 50 cfm (2 m<sup>3</sup>/min.) at 100 psi  
(0.7 MPa, 7 bar)

Max. Operating Pressure 175 psi (1.2 MPa, 12 bar)

Max. Temperature 150°F (65°C)



## Self-Relieving Air Regulator (Part No. 22604)

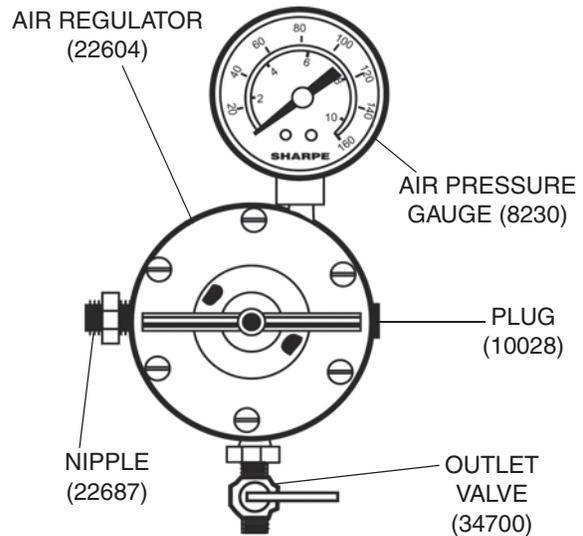


### Maintenance

If the air supply is kept clean, this regulator will provide long periods of uninterrupted service. Erratic regulator operation or loss of regulation is most always due to dirt in the diaphragm area and cleaning is in order.

### Cleaning

Depressurize regulator, remove bottom plug, spring valve, and diaphragm. Clean parts with denatured alcohol, wipe off seat and blow out body with compressed air. Reassemble parts as a unit and screw into regulator before tightening bottom plug. Make sure disc is in center hole in body. Should regulator continue to malfunction, obtain diaphragm/valve repair kit (part no. 22680) and replace parts provided.



### Specifications

Air Inlet 3/8 in. F.P.T.

Air Outlet 1/4 in. F.P.T. (3 EA.)

Air Flow Capacity 100 cfm (2.8 m<sup>3</sup>/min.)

Max. Operating Pressure 160 psi (1.1 MPa, 11 bar)

Max. Temperature 150°F (65°C)

### Parts

Part No.	Description
8230	Air Pressure Gauge
10028	Plug
22680	Diaphragm/Valve Repair Kit
22682	T-Handle Adjusting Screw
22685	Bottom Spring
22687	3/8 in. x 3/8 in. Nipple
34700	Outlet Valve



# 1 Year Limited Warranty

Sharpe warrants this product to the original user against defective material or workmanship for a period of 1 year from the date of purchase.

Sharpe reserves the right to determine whether the part or parts failed because of defective material, workmanship, or other causes. Failures caused by accident, alteration, or misuse are not covered by this warranty.

Sharpe, at its discretion, will repair or replace products covered under this warranty free of charge. Repairs or replacements of products covered under this warranty are warranted for the remainder of the original warranty period.

Sharpe or its authorized service representatives must perform all warranty repairs. Any repair to the product by unauthorized service representatives voids this warranty. The rights under this warranty are limited to the original user and may not be transferred to subsequent owners.

This warranty is in lieu of all other warranties, expressed or implied, including warranties of merchantability and fitness for a particular purpose. Some states do not allow the exclusion or limitations of incidental or consequential damages, so the above limitations may not apply to you.

## Sharpe Information

**TO PLACE AN ORDER**, contact your SHARPE distributor or call 1-800-742-7731 or visit our web site at [www.sharpe1.com](http://www.sharpe1.com).

## Product Registration

Thank you for the purchase of your Sharpe® product. We greatly appreciate your business.

Important reasons to register your product:

- Registration enables Sharpe to notify you if there is a problem with your product.
- Improved Product Development - Your input helps us continue to design products that meet your needs.

For the most up-to-date information and to register your product, please go to [www.sharpe1.com](http://www.sharpe1.com) and click on "Register Product."

*All written and visual data contained in this document reflects the latest product information available at the time of publication. Graco reserves the right to make changes at any time without notice.*

Original instructions. This manual contains English. MM 310611

**SHARPE MANUFACTURING • P.O. BOX 1441, MINNEAPOLIS, MN 55440-1441**

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Revision G, September 2013