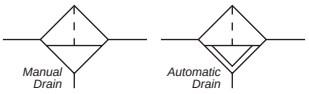
# F105 Filter







## Features

- Connects to Other QUBE Units Using Just Screws and O-rings (Included)
- Integral Mounting Slots Eliminate Need for Mounting Brackets
- Excellent Water Removal Efficiency
- For Applications Requiring Minimum Pressure Drop
- Unique Deflector Plate that Creates Swirling of the Air Stream Ensuring Maximum Water and Dirt Separation
- Large Filter Element Surface Guarantees Low Pressure Drop and Increased Element Life
- 40 Micron Filter Element Standard, 5 Micron Available
- Transparent Polyurethane Bowl with Bowl Guard as Standard
- Metal Bowl with Wraparound Sight Gauge Optional
- Manual Drain as Standard, Optional Auto Float Drain
- Large Bowl Capacity
- High Flow: 1/2" - 120 SCFM[§]
  3/4" - 160 SCFM[§]

***Polyurethane Bowls and Sight Gauges Offer Improved Chemical Compatability.***




| Port Size | NPT | | BSPP | |
|---|---|---|---|---|
| | Manual Twist Drain | Automatic Float Drain | Manual Twist Drain | Automatic Float Drain |
| **Polyurethane Bowl / Plastic Guard** | | | | |
| 1/2" | **F105-04BJ** | **F105-04BJR** | F105G04BJ | F105G04BJR |
| 3/4" | **F105-06BJ** | **F105-06BJR** | F105G06BJ | F105G06BJR |
| **Metal Bowl / Sight Gauge** | | | | |
| 1/2" | **F105-04WJ** | **F105-04WJR** | F105G04WJ | F105G04WJR |
| 3/4" | **F105-06WJ** | **F105-06WJR** | F105G06WJ | F105G06BWR |

**Bold Items are Most Popular.**
**For other models refer to ordering information below.**

[§] SCFM = Standard Cubic Feet Per Minute at 100 PSIG Inlet, and 5 PSIG Pressure Drop with 40 Micron Element.

**Wraparound Sight Gauge Bowl**
All QUBE filters, lubricators, and integrals are available with the Watts Wraparound Polyurethane Sight Gauge Bowl. These unique bowls provide the 360° visibility of a plastic bowl while maintaining the high strength and safety features of metal bowls. Polyurethane bowls with guards, and metal bowls, are also available.

## Ordering Information

| F | 105 | — | 04 | B | J | | /** |
|---|---|---|---|---|---|---|---|

**Port Threads**
- **— NPT**
- G BSPP

**Port Size**
- 04 1/2"
- 06 3/4"

**Bowl**
- **B Transparent with Plastic Bowl Guard**
- D Metal without Sight Gauge
- W Metal with Wraparound Sight Gauge

**Element**
- G 5 Micron
- **J 40 Micron**

**Options**
- R Automatic Float Drain
- U* Overnight Drain (Dump Valve)

*B & D Bowls only

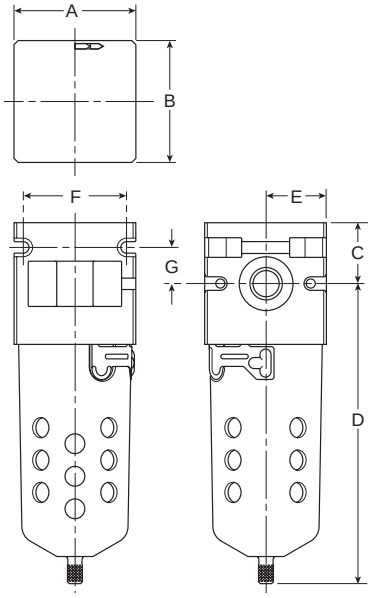
**Engineering Change Designator**
Will be entered at factory.

**BOLD ITEMS ARE MOST POPULAR.**



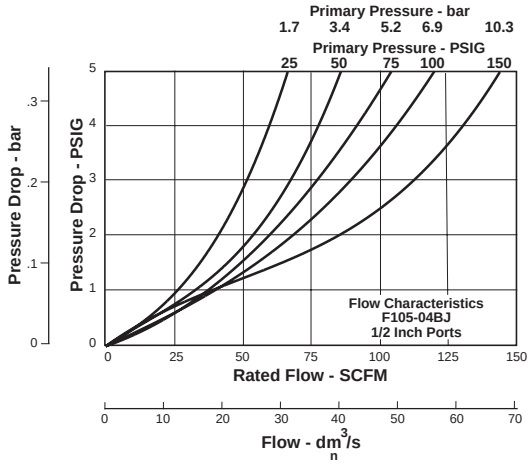
Pneumatic Division
Richland, Michigan
www.wattsfluidair.com

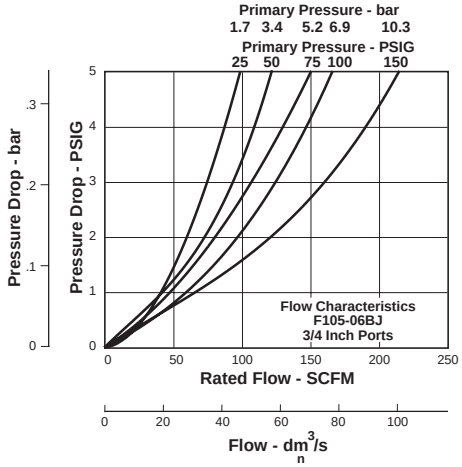
## Technical Information




| F105 Filter Dimensions | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **A*** | **A†** | **B** | **C** | **D** | **E** | **F*** | **F†** | **G** |
| **F105-BJ and F105-DJ** | | | | | | | | |
| 2.69 (68.3) | 3.03 (77.0) | 2.69 (68.3) | 1.34 (34.1) | 6.66 (169.1) | 1.35 (34.3) | 2.27 (57.6) | 2.55 (64.8) | 0.88 (22.2) |
| **F105-WJ** | | | | | | | | |
| 2.69 (68.3) | 3.03 (77.0) | 2.69 (68.3) | 1.34 (34.1) | 6.66 (169.1) | 1.35 (34.3) | 2.27 (57.6) | 2.55 (64.8) | 0.88 (22.2) |

Inches (mm)
* 3/8 and 1/2 Inch Ports
† 3/4 Inch Ports




## F105 Filter Kits & Accessories

**Bowl Kits –**
Polyurethane (B) ..... BKF105B
Metal (D) ..... BKF105D
Metal (W) Wraparound Sight Gauge ..... BKF105W

**Drain Kits –**
Manual Twist Drain ..... SA600Y7-1
Internal Auto (Max. Pressure: 175 PSIG) (B & D) ..... SA602MD
Internal Auto (Max. Pressure: 175 PSIG) (W) ..... SAF105MD
Semi-Automatic "Overnight" Drain ..... SA602A7
(Drains automatically under zero pressure)

**Filter Element Kits –**
5 Micron (All) ..... EKF100G
40 Micron (All) ..... EKF100J

**Face Mounting Bracket Kit (See Page A66)** ..... SAR105Y57

**Repair Kits –**
Deflector, Retainer ..... RFK100
Internal Float Drain ..... RK602MD

## Specifications

**Bowl Capacity** ..... 8.5 Ounce

**Port Threads** ..... 1/2, 3/4 Inch

**Pressure & Temperature Ratings –**
Polyurethane Bowl ..... 0 to 150 PSIG (0 to 10.2 bar)
40°F to 125°F (4.4°C to 52°C)
Zinc Bowl ..... 0 to 300 PSIG (0 to 20.4 bar)
40°F to 180°F (4.4°C to 82.2°C)
With Automatic Float Drain ..... 175 PSIG Max. Press. (11.9 bar
40°F to 125°F (4.4°C to 52°C)
Zinc Bowl w/ Sight Gauge ..... 0 to 250 PSIG (0 to 17.2 bar)
40°F to 150°F (4.4°C to 65.6°C)
With Automatic Float Drain ..... 175 PSIG Max. Press. (11.9 bar)
40°F to 125°F (4.4°C to 52°C)

**Weight –**
Polyurethane Bowl ..... 1.10 lb. (0.50 kg) / Unit
10.8 lb. (4.9 kg) / 8-Unit Master Pack
Zinc Bowl ..... 1.54 lb. (0.70 kg) / Unit
14.3 lb. (6.5 kg) / 8-Unit Master Pack
Zinc Bowl W/ Sight Gauge ..... 1.74 lb. (0.79 kg) / Unit
15.9 lb. (7.2 kg) / 8-Unit Master Pack

## Materials of Construction

**Body** ..... Aluminum

**Bowls** ..... Polyurethane
Metal (Zinc)

**Drains** ..... Brass

**Filter Elements** ..... Polypropylene

**Seals** ..... Nitrile



Pneumatic Division
Richland, Michigan
www.wattsfluidair.com