

**Miniature Series 07 Oil Removal
(Coalescing) Filter 1/8" and 1/4" Port Sizes**

- Compact design
- High efficiency oil and particle removal
- Screw-on bowl reduces maintenance time
- Can be disassembled without the use of tools or removal from the air line



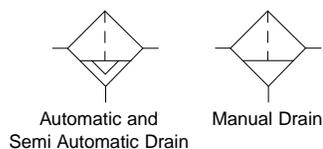
Ordering Information. Models listed include PTF threads, automatic drain and transparent bowl.

| Port Size | Model Numbers | Saturated Flow* Flow scfm (dm ³ /s) | Dry Flow Flow scfm (dm ³ /s) | Weight lbs (kg) |
|-----------|---------------|---|--|-----------------|
| 1/8" | F39-100-A0TA | 6.0 (2.8) | 11.2 (5.3) | 0.28 (0.13) |
| 1/4" | F39-200-A0TA | 6.4 (3.0) | 12.2 (5.8) | 0.28 (0.13) |

* Maximum flow at 90 psig (6.3 bar) inlet pressure to maintain stated oil removal performance.

Alternative Models

| Port Size | | Option | | Option | | Threads | | Bowl | | Element | | Drain | |
|-----------|------------|----------------|------------|----------------|------------|----------------|------------|-------------|------------|------------|------------|-----------|------------|
| Port Size | Substitute | Option | Substitute | Option | Substitute | Threads | Substitute | Bowl | Substitute | Element | Substitute | Drain | Substitute |
| 1/8" | 1 | Not applicable | 0 | Not applicable | 0 | PTF | A | Transparent | T | Coalescing | 0 | Automatic | A |
| 1/4" | 2 | | | | | ISO Rc taper | B | Metal | M | | | Manual | M |
| | | | | | | ISO G parallel | G | | | | | | |

ISO Symbols


See Section ALE-24 for Accessories



Technical Data

Fluid: Compressed air

Maximum pressure:

Transparent bowl: 150 psig (10 bar)

Metal bowl: 250 psig (17 bar)

Operating temperature*:

Transparent bowl: -30° to 125°F (-34° to 50°C)

Metal bowl: -30° to 150°F (-34° to 65°C)

* Air supply must be dry enough to avoid ice formation at temperatures below 2°C (35°F)

Particle removal: Down to 0.01 µm

Air quality: Within ISO 8573-1, Class 1 (particulates) and Class 2 (oil content)

Maximum remaining oil content of air leaving the filter: 0.01ppm at 70°F (21°C) with an inlet oil concentration of 17 ppm.

Maximum flow with 90 psig (6.3 bar) inlet pressure†:

1/8 ports, 6.0 scfm (2.8 dm³/s)

1/4 ports, 6.4 scfm (3 dm³/s)

† Maximum flow to maintain stated oil removal performance.

Nominal bowl size: 1 fluid ounce (31 ml)

Drain connection: 1/8" pipe thread

Automatic drain operation: Spitter type drain operates momentarily when a rapid change in air flow occurs or when the supply pressure is reduced.

Materials:

Body: Zinc

Bowl:

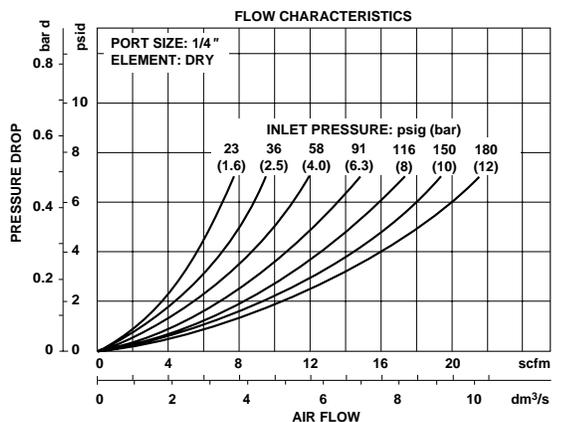
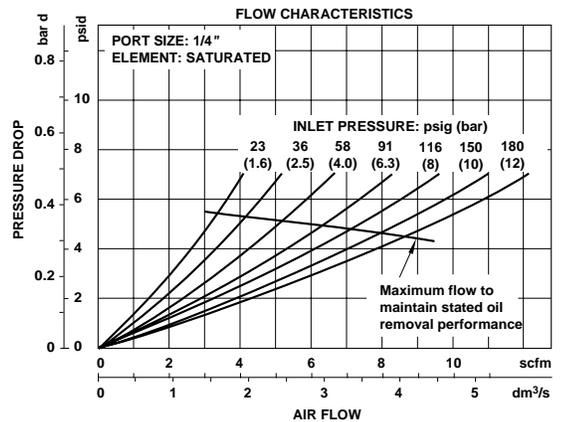
Transparent: Polycarbonate

Metal: Zinc

Element: Synthetic fiber and polyurethane foam

Elastomers: Neoprene & nitrile

Typical Performance Characteristics

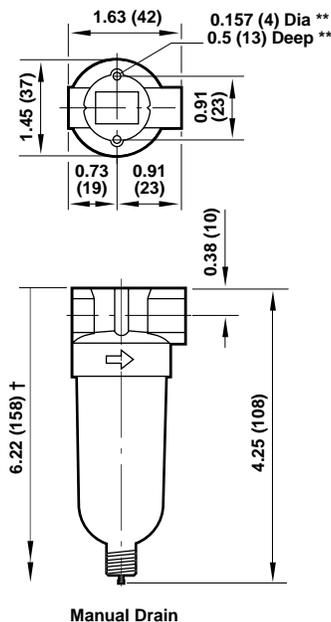


Service Kits

| Item | Type | Part number |
|--------------------|------------|-------------|
| Service kit | All models | 4141-10 |
| Replacement drains | Manual | 773-03 |
| | Automatic | 3654-02 |

Service kit includes element, element o-ring, and bowl o-ring.

All Dimensions in Inches (mm)



** Mounting holes

† Minimum clearance to remove bowl