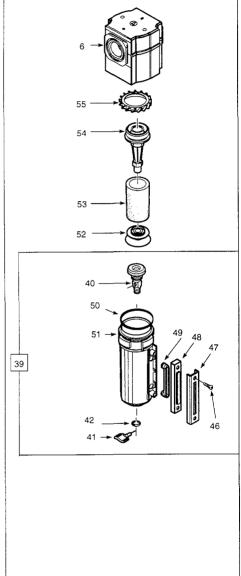


MODELS 602104, 602106 Air Line Filter

602104 - 1/4" PORTS 602106 - 3/8" PORTS



TECHNICAL DATA

Fluid: Compressed air Maximum pressure: 250 psig (17 bar) Operating temperature: 0 to +150°F (-20° to +65°C)*

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

Main ports: 1/4" PTF or 3/8" PTF Filter element rating: 40µm

Materials: Body: Zinc Bowl: Zinc

> Liquid level indicator lens: Transparent nylon Element: Sintered polypropylene plastic Elastomers: Neoprene and nitrile

REPLACEMENT ITEMS

Liquid level lens kit (46, 48, 49, 50)	247875
Filter element, 40µm (53)	247892
Drain, manual (40, 41, 42)	247893

INSTALLATION

- 1. Install filter vertically in air line -
 - upstream of regulators, lubricators, and cycling valves,
 - · with air flow in direction of arrow on body,
 - as close as possible to the air supply when used as a main line filter,
 - as close as possible to the device being serviced when used as a final filter.
- Connect piping to proper ports using pipe thread sealant on male threads only. Do not allow sealant to enter interior of unit.
- 3. Turn bowl fully clockwise into body before pressurizing.
- 4. Manual drain is ported 7/16-24 UNS male for 1/4" tube nut or ferrule.

SERVICING

- 1. Open manual drain (41) to expel accumulated liquids. Keep liquids below baffle (52).
- 2. Clean or replace filter element (53) when dirty.

DISASSEMBLY

- 1. Shut off inlet pressure. Reduce pressure in inlet and outlet lines to zero.
- 2. Remove bowl push into body and turn counterclockwise.
- Disassemble in general accordance with the item numbers on exploded view. Disassemble and replace drain (40, 41, 42) only if it malfunctions.

CLEANING

- 1. Clean lens (48) with warm water only. Clean other parts with warm water and soap.
- Rinse and dry parts. Blow out internal passages in body (6) with clean, dry compressed air. Blow air through filter element (53) from inside to outside to dislodge surface contaminants.
- 3. Inspect parts. Replace parts found to be damaged.

ASSEMBLY

- 1. Lubricate o-rings and stem of drain valve (41) with o-ring grease.
- Assemble the filter as shown on the exploded view.
- 3. Turn bowl fully clockwise into body.

4. Torque Table	Inch-Pounds (N-m)
46 (screw)	13 to 16 (1.5 to 1.8)
52 (baffle)	6 to 8 (0.7 to 0.9)
54 (center-post)	6 to 8 (0.7 to 0.9)

CAUTION

Water vapor will pass through these units and could condense into liquid form downstream as air temperature drops. Install an air dryer if water condensation could have a detrimental effect on the application.

WARNING

These products are intended for use in industrial compressed air systems only. Do not use these products where *pressures* and *temperatures* can exceed those listed under *Technical Data*.

Do not use these products with fluids other than air, for nonindustrial applications, or for life-support systems.

