

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.
2. 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.
3. 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.
2. 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.
2. 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.

