

In-Line Filter Assembly



WARNING: Allow only qualified personnel to perform the following tasks. Observe and follow the safety instructions in this document and all other related documentation.

1. Introduction



WARNING: System or material pressurized. Relieve system pressure before servicing equipment.



CAUTION: Do not use the in-line filter assemblies with airless spray applications.

See Figure 1. The in-line filter assembly is designed for use with atomizing air spray guns. One wire mesh screen (3) is shipped with each filter assembly. Other sized wire mesh screens are available to interchange with the wire mesh screen shipped with the filter assembly.

2. Installation

Follow these guidelines to install the in-line filter assembly in the fluid line between the fluid supply and the spray device.

NOTE: Mount the in-line filter assembly with the plug (1) pointing down. This will allow easy filter cleaning and prevent air entrapment.

- The fluid line leading to the spray device must be connected to the end marked A. The fluid supply must come into the filter assembly at the end marked B.
- On pressure vessels, install the filter assembly on the fluid outlet immediately after the fluid outlet shutoff valve.
- On circulating supply lines, install the filter assembly immediately after a shutoff valve between the circulating supply line and the spray device.

3. Filter Cleaning



WARNING: Risk of electric shock. Turn off electrostatic power supply if purging air by spraying into a container.

Follow these steps to clean the screen.

1. Remove the filter plug (1) and screen (3) from the filter assembly.
2. Clean the screen with a fiber brush and appropriate solvent.
3. Replace the screen and filter plug.
4. Purge air from the fluid line by triggering the spray device until a steady stream of material flows from the nozzle.

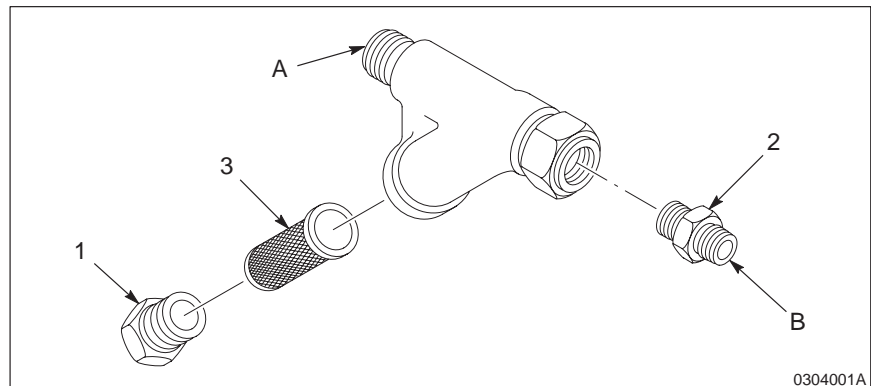


Fig. 1 In-line filter assembly

4. Parts

See Figure 1. Use the following chart to order replacement parts for the in-line filter assembly.

Item	Part	Part	Part	Description	Quantity	Note
—	240 450	-----	-----	Filter, in-line, with 0.006 screen	1	
—	-----	240 449	-----	Filter, in-line, with 0.012 screen	1	
—	-----	-----	247 031	Filter, in-line, with 0.006 screen	1	
1	240 455	240 455	240 455	• Plug, filter	1	
2	972 553	972 553	-----	• Connector, hose, $\frac{3}{8}$ NPS x $\frac{1}{4}$ NPT	1	
2	-----	-----	972 550	• Connector, hose, $\frac{3}{8}$ NPS x $\frac{3}{8}$ NPTF	1	

Replacement Screens

Use the following chart to order replacement screens for the in-line filter assembly.

Item	Part	Description	Quantity	Note
3	240 454	Screen, 0.003	1	A
3	240 453	Screen, 0.006	1	B
3	240 452	Screen, 0.012	1	C

NOTE A: Use this screen with an 8-oz fluid tip.

B: Use this screen with an 11-oz fluid tip.

C: Use this screen with a 20-oz fluid tip.

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