

Flange Mount Cartridge Filters

Installation Guide for Nordson High-Efficiency, Heavy Duty, and PowderGrid® Filters

Procedure



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

1. Remove and properly dispose of the old cartridge filters. Refer to your powder coating system manual for removal procedures.

NOTE: Keep all of the hardware and the pulse deflector to install the new cartridge filter.

2. Clean the sealing surface of the tube sheet.

NOTE: Do not install damaged cartridge filters. If the filter was damaged during shipment, contact the freight carrier. Otherwise, contact your Nordson representative.

3. Inspect each new cartridge filter for damage including:

- Nicks or cuts in the rubber gasket
- Tears or holes in the filter media
- Bent or dented end caps
- Dented screens

4. See Figure 1. Install the three screws (1) and washers (3) through the flange of the cartridge filter.

5. Lock the screws in place with the three hex nuts (2).

6. Install the pulse deflector (5) over the nuts and lock it in place with the three jam nuts (6).

7. Line up the screws with the mounting holes in the collector tube sheet. Press the cartridge filter against the tube sheet.

8. Install the three lock washers (4) and hex nuts (2) on the screws and hand tighten to secure the cartridge filter in place.

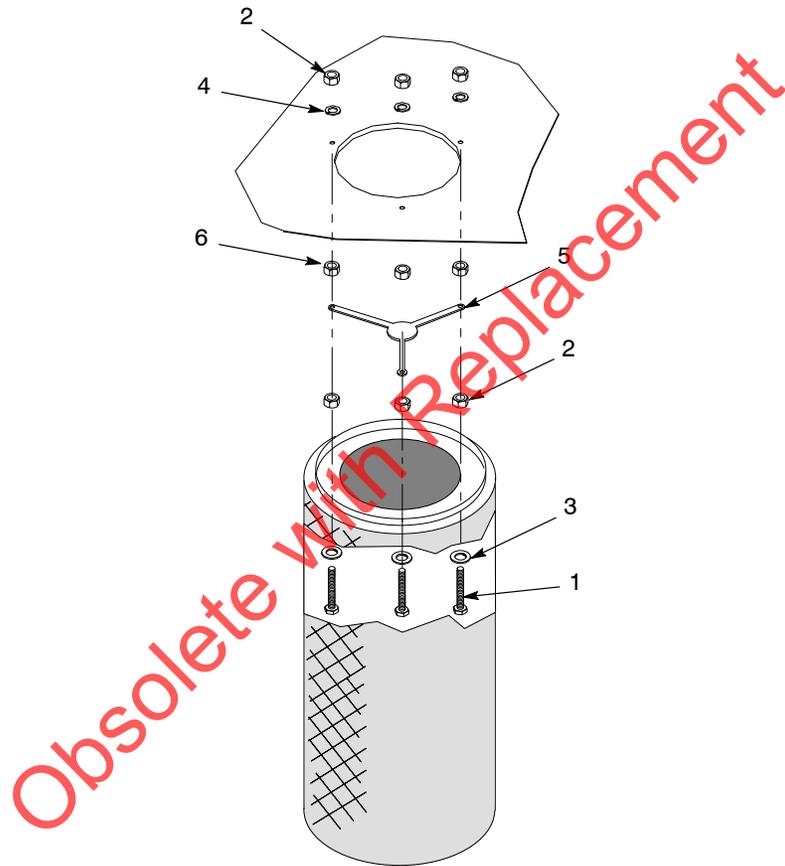
9. Tighten the hex nuts until the gasket compresses to $\frac{7}{16}$ in.

10. Check the alignment of the cartridges and use a feeler gauge to check the gasket compression.

Parts

See Figure 1.

Item	Part	Description	Quantity
1	981624	SCREW, hex head, $\frac{3}{8}$ -16 x $2\frac{1}{2}$ in.	3
2	984152	NUT, hex, $\frac{3}{8}$ -16	6
3	983061	WASHER, flat, $\frac{3}{8}$ -in.	3
4	983160	LOCK WASHER, $\frac{3}{8}$ -in.	3
5	174711	DEFLECTOR, pulse, $2\frac{1}{4}$ -in. diameter	1
6	984158	NUT, hex, jam, $\frac{3}{8}$ -in., steel	3



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Figure 1 Flange Mount Cartridge Filters

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