
Installation Procedures: Pneu-Con Top-Load Filter Cartridge with Gasket *(Ref iFIL TL625D & iSeal™ Gasket)*

Pneu-Con Top-Load style Pleated Filter Cartridges feature the latest technological advances in filter design and materials. The aerodynamic design of the High-flow Intake orifice produces 30% more cleaning energy (airflow in rush) versus other standard designs. Pneu-Con Top-Load Filter with Gasket fit into standard Tubesheet with thickness from 1/8" to ¼" and having Ø6.25" holes.

- a. The Pleated Filter media is an 8-oz/yd² (260g/m²) weight Spun bond Polyester (**SBPE**) cloth exhibiting a filtration efficiency of 99.9% for particle sizes ranging from 0.2µ to 2.0µ - holding a **BGIA** Dust Class "**M**" rating. Air permeability is 15-30acfm @ 0.5"Hg dP (Frazier method test). Mullen burst strength is at 350psi.
 - b. To minimize material "Blinding" filter cartridges may be ordered with optional **PTFE** coating, increasing self-cleaning efficiency with its' ability of "shedding" product during automatic VibraPulse™ receiver/dust collector cleaning or with manual methods. Use extreme care when handling & cleaning **PTFE** coated filters.
1. For Filter cleaning procedures and tips please refer to "Important Filter Service Information" page located at the back of your Operation & Maintenance Manual (**OMM**).
 2. The following steps to be adhered during installation, removal and/or maintenance of Pneu-Con Top-Load style Filter Cartridges. Please refer to Filter & Gasket diagrams and descriptions on reverse.
 3. Preparation for Installation:
 - a. Remove old filters (if any) from Receiver/Dust Collector Tubesheet.
 - b. If required clean Tubesheet holes for corrosion or material build-up, using wire brush or scouring pad to ensure proper seal, paying special attention to electrically-conductive applications, ensuring inside edge of hole is free from paint or other insulating coating as this is the electrical grounding area.
 - c. Filters with the PTFE coated media require extra care in handling and staging. Use pieces of smooth material (i.e. cardboard) to protect pleats from sharp/hard edges in and around work area and when installing into Tubesheet. PTFE coating is very thin and fragile, use care when handling, stacking or storing cartridges to prevent coating damage.

4. Place iSeal™ Gasket into Tubesheet hole leading with the beveled bottom lip (J) – imprinted surface (I) will be facing upward. By hand gently press Gasket into hole, it will self-center & seat. When fully seated the bottom surface of Upper Flange (H) will be flush to the Tubesheet. Inspect bottom lip (J) at bottom-side of Tubesheet to ensure there are no deformations on lip or inside diameter of Gasket.
5. While holding Filter Top Boot (A) position Cartridge above desired Tubesheet location and insert bottomend “puck” (G) inside iSeal™ Gasket and lower Cartridge through – keeping as straight (plumb) as possible.
6. The Top Boot Lip (B) will rest on Gasket. A complete seating of Cartridge into Gasket/Tubesheet requires applying firm, steady pressure to fully engage Top Boot Ribs (C) into Gasket. When done the Gasket’s bottom Ring (J) will be pushed outward by the Cartridge’s Boot Ribs (C) and kick out (area K) – effectively gripping the Tubesheet; mating surfaces of the Filter Boot (B) and Gasket will have no apparent gaps.

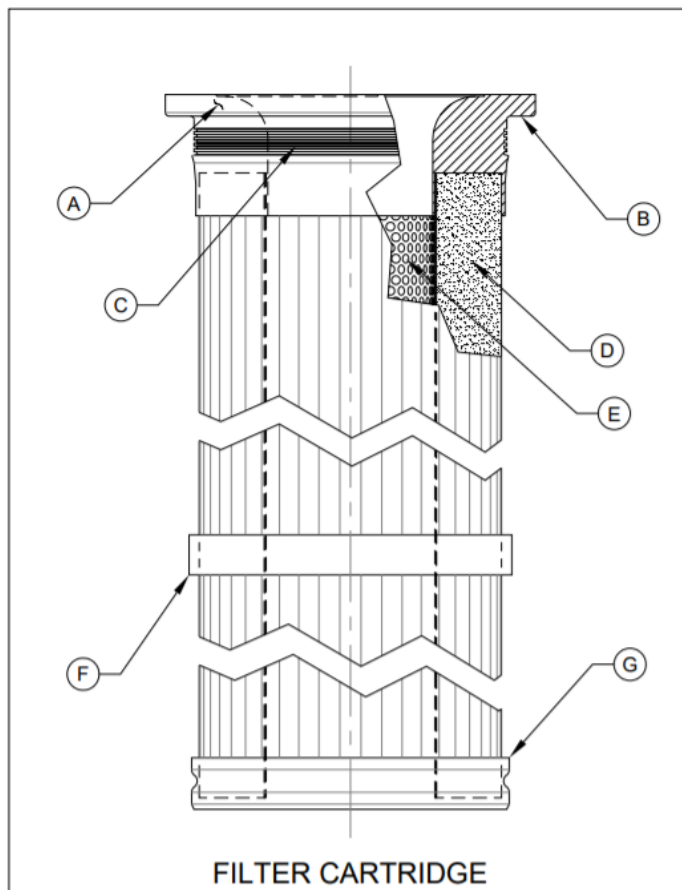


Figure 1

Figure 1:

Filter Cartridge: constructed from the following materials; Bright-white Soft Polyurethane, Bright-white Polypropylene and Deep-pleated (29mm deep, 45-count) Spun bond Polyester as noted below.

- A Upper Boot: Polyurethane
- B Upper-Boot Flange
- C Upper-Boot Ribs
- D Filter Pleats: Polyester
- E Inner Core: Polypropylene
- F Belly Band: Polyurethane
- G Bottom Puck: Polyurethane

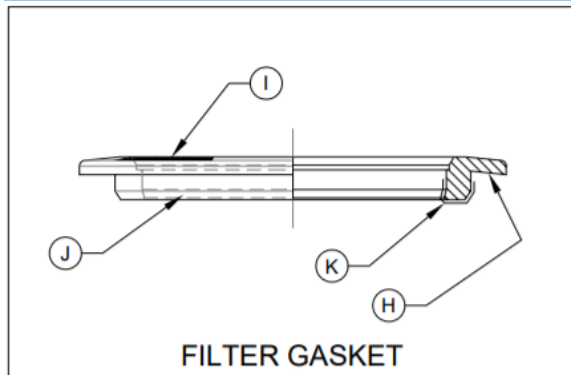


Figure 2:

Filter Gasket: constructed completely from Flexible Gray EPDM Rubber.

- H Upper Flange
- I Top Surface, Imprinted
- J Beveled Bottom Lip
- K Bottom-Lip deflection zone

Figure 2

Note: It may take considerable pressure applied upon the Filter to obtain a full seat into Gasket, therefore it may be necessary to apply more pressure than achievable by hand pressure only. It is acceptable to stand on Filter as long as care is taken to not damage Filter, Gasket or Tubesheet. Additional localized support of Tubesheet bottom-side may be required to prevent excessive bending.

Reverse above procedures to remove Cartridge and Gasket from Tubesheet.