

6lb Fibreglass Filter Cartridge

Peerless depth media filter cartridges consist of a combination of specialised glass fibre media in varying scale of fibre diameters. This graded density depth style design provides the optimal solid handling capacity.

The elements operate from outside to in to provide the largest surface area.

Product Applications

- Black Powder Removal
- Compressor protection
- Natural Gas Processing facilities
- Turbine protection
- Fuel Gas Desiccant
- Molecular Sieve bed protection

Features

The glass fibre media is supported by a heavy duty spiral lock core critical in high solid loading applications. This integral core means that in the event of a filter element collapse it will be the disposable element that is damaged not the integrity of the vessel tubesheet.

End caps are mechanically secured to the centre core providing cartridge integrity against collapse at high differential pressure and protection against bypass at low differential pressure.

Cartridge is sealed to the tubesheet by a gasket providing a positive seal in both the vertical and horizontal orientations unlike many cheaper knife edge seal designs.



Quality

All Peerless elements are manufactured to our same rigorous standards and in accordance with BS EN ISO 9001.

Materials

- Filter media: Phenolic Seamless Fiberglass
- Gaskets: Buna-n
- End Cap / Core material: Corrosion resistant carbon steel (Tin plated)
- Outer Wrap: Cotton or Orion

Efficiency

Gas filters solid removal micron rating

- 3 microns & larger: 100%
- 0.5 – 3 microns: 99%

Solid Removal with MPO

- 1 micron and larger 100%

Operational Data

Peerless filter separator can remove 100% of all liquid droplets 8 microns and larger and remove 99% of those 0.5 to 8 microns in size when used with Peerless Gas Filter cartridges.

- ΔP start-up: $\leq 34.47 - 137.8$ mbar (0.5 - 2 PSID) (Typical - clean)
- Core strength: > 5171 mbar (75 PSID)
- Core strength: 2760 mbar (40 PSID) (models 31-042-16 and 31-042-031)

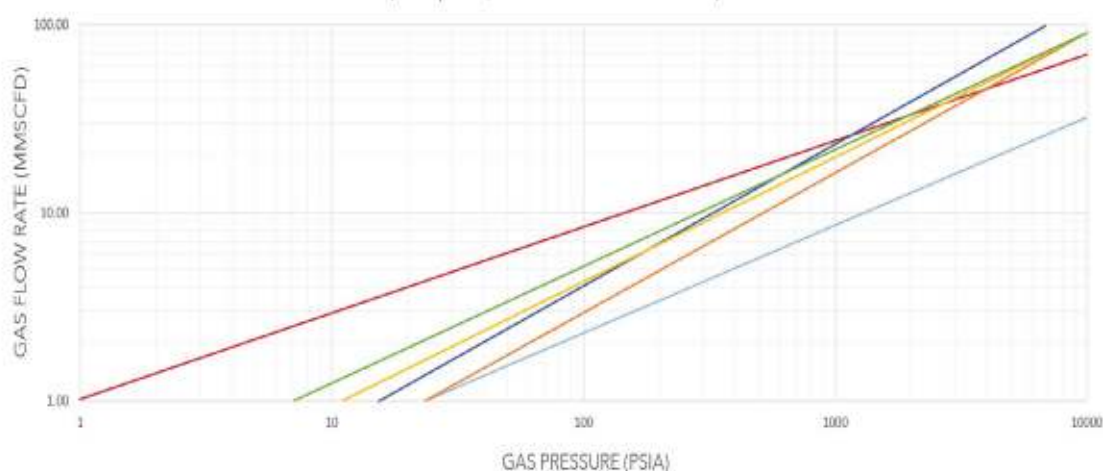
Customization

We are able to offer project specific filter specifications, modifying lengths, liner collapse pressures, gasket materials and filtration efficiencies. For more details please contact your local office.

6 lb Fibreglass Element Dimensions

Part Number	Outer Surface Area	Dimensions		Nominal Length
		OD	ID	
31-042-016	0.76 m ² (8.19 ft ²) Grooved	4.5"	5.5"	36"
31-042-031	1.52 m ² (16.38 ft ²) Grooved	4.5"	5.5"	72"
31-036-046-CS-N	0.32 m ² (3.5 ft ²)	4.63"	3.25"	36"
31-024-046-CS-N	0.22 m ² (2.4 ft ²)	4.63"	3.25"	24"
31-012-046-CS-N	0.11 m ² (1.2 ft ²)	4.63"	3.25"	12"
31-036-035-CS-N	0.25 m ² (2.7 ft ²)	3.5"	2.19"	36"
31-024-035-CS-N	0.16 m ² (1.8 ft ²)	3.5"	2.19"	24"
31-012-035-CS-N	0.08 m ² (0.9 ft ²)	3.5"	2.19"	12"

Flow Curve
(at 2psid, at 0.65 SG and 68F)



Part Number	
31-012-035-CS-N	
31-036-046-CS-N	
31-036-035-CS-N	
31-024-046-CS-N	
31-024-035-CS-N	
31-012-046-CS-N	
31-042-016	
31-042-031	