



## STRAP BAND CARTRIDGE HOUSING

- All steel construction available in Stainless 304, 316 and Carbon Steel
- Multiple cartridge housings for double open ended (DOE) sediment and carbon cartridges
- Female NPT or flanged inlet/outlet connections
- Heavy duty design for numerous commercial and industrial applications
- Ideal for high flow, high temperature or high-pressure applications

The PENTEK Strap Band Cartridge Housings are designed for commercial and industrial applications where high flow, temperature and pressure are a requirement. They are available in 304 and 316 Stainless Steel as well as Carbon Steel which makes them well-suited for applications where chemical compatibility is a concern. The exterior of the housing is powder coated with epoxy for extra protection. Housings are engineered to handle a maximum temperature of 300° and pressures between 125 and 150 psi.

Housings accept cartridges up to 27/8-inch in overall diameter and lengths from 10" to 40". They

accommodate both DOE sediment and carbon cartridges offering greater flexibility in filtration applications.

The housing lid is secured with a Quick Swing Strap Band, which requires no tools to remove. The band does not require full removal to access the cartridge, allowing quicker filter changes.

The staggered inlet/outlet design offers greater flexibility in installation and service of the housing. The connection sizes range from 1-inch FPT to 4-inch Flanged.

Steel stands or fixed legs are included with the housings. The stands are



adjustable to change the height or position of the housing. Pre-drilled holes in the legs and stands allow the housings to be securely bolted to the floor.



# STRAP BAND Cartridge Housings



## Housing Specifications and Performance Data

Model	Cartridge Length	Number of Cartridges	Height	Pipe Size (NPT or Flanged)	Maximum Temperature	Maximum Pressure
PC4	10, 20, 30, 40	1	25.3" – 55.5" * (25 mm–1410 mm)	1" (NPT), 1½" (NPT) (25.4mm, 38.1 mm)	300°F (149 °C)	150 psi (10.34 bar)
PC7	10, 20, 30, 40	3, 4	26.4" – 57.7" * (671 mm–1466 mm)	2" (NPT), 3" (Flanged) (50.8mm, 76.2 mm)	300°F (149 °C)	150 psi (10.34 bar)
PC9	20, 30, 40	5, 6	36.8" – 58.2" * (935 mm–1478 mm)	2" (NPT), 3" (Flanged) (50.8mm, 76.2 mm)	300°F (149 °C)	150 psi (10.34 bar)
PC11	20, 30, 40	8, 9, 10, 11	38.2" – 58.2" * (970 mm–1478 mm)	3" (Flanged) (76.2 mm)	300°F (149 °C)	150 psi (10.34 bar)
PC12	20, 30, 40	13, 14, 15	38.7" – 58.7" * (983 mm–1491 mm)	3" (Flanged) (76.2 mm)	300°F (149 °C)	150 psi (10.34 bar)
PC14	20, 30, 40	17, 18, 19, 20	48.7" – 58.7" * (1237 mm–1491 mm)	3" (Flanged) (76.2 mm)	300°F (149 °C)	150 psi (10.34 bar)
PC15	20, 30, 40	22, 23	41.2" – 51.2" * (1047 mm–1300 mm)	3" (Flanged), 4" (Flanged) (76.2 mm, 101.6 mm)	300°F (149 °C)	125 psi (8.62 bar)
PC17	20, 30, 40	25, 26, 27, 28, 29, 30, 31, 32	51.1" – 71.1" * (1298 mm–1806 mm)	4" (Flanged) (101.6 mm)	300°F (149 °C)	125 psi (8.62 bar)

NOTE: Maximum Flow rate is determined by the cartridge rate requirement.

\*Height does not include stand.

## Materials of Construction

Housing	Carbon Steel, 304 Stainless Steel, 316 Stainless Steel
Finish	External Epoxy Powder Coating (304 & 316 Stainless Steel) Black Epoxy Powder Coating (Carbon Steel)
Sealing Gasket	Buna-N

WARNING: If pressure exceeds 150 psi (10.34 bar) at any time, a pressure regulator must be used. Do not use water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

CAUTION: Protect against freezing to prevent cracking of the filter and water leakage.

NOTE: Not recommended for applications with TDS or chlorides >1000 ppm and/or pH <5.0. Use of this product in these conditions will void the limited warranty. Consult factory for product modifications for these conditions.



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