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## 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.



**PENTEK**  
Pentair Water

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