



MPST-1

MPST-1 MULTI-PURPOSE STAINLESS STEEL FILTER HOUSING

- Unique design accepts either a 4½-inch x 20-inch DOE cartridge or a PENTEK Model 420 bag filter
- 304 stainless steel construction with epoxy finish
- Equipped with several ports for differential pressure gauges
- Heavy-duty design for numerous commercial and industrial applications
- Ideal for high temperature or high pressure applications

The PENTEK MPST-1 Multi-Purpose Stainless Steel Filter Housing is designed to accept either a 4½-inch x 20-inch DOE cartridge or a PENTEK 420 style bag filter. The housing comes standard as a cartridge filter housing but the optional bag filter kit converts it to a bag filter housing in seconds.

Simple to install, maintain, and convert from cartridge to bag filter and back, this housing is ideal for schools, restaurants, farms, institutions and numerous industrial applications.

The MPST-1 housing is constructed of 304 stainless steel and powder coated with two-part epoxy with flow rates up to 50 GPM and maximum temperature ratings at

250°F, making it ideal for hot water and high pressure applications. An adjustable stand is included which adds to its versatility.

It is supplied with two-inch inlet and outlet ports and a threaded drain port for easy servicing. It is also equipped with several pressure differential gauge ports to aid in cartridge or bag filter replacement.



MPST-1

Multi-Purpose Stainless Steel Filter Housing



143549*

Needle differential pressure gauge

Needle points to international standard colors to determine when cartridge needs to be changed. Green (clean) 0–6 psid; Yellow (change) 6–9 psid; Red (dirty) 9–12 psid.



143550*

Color change differential pressure gauge

Green and red color indicate when cartridge should be changed. Green (clean) 0–7 psid; Red (change) 7–10 psid.



NOTE: Bag filter conversion KLT (243111) sold separately

* Gauges sold separately

Housing Specifications and Performance Data

Model	Maximum Flow Rate	Dimensions Height x O.A. Dia*	Pipe Size (NPT)	Maximum Temperature	Maximum Pressure
MPST-1	50 GPM (189 L/min)	29" x 6 ³ / ₈ " (737 mm x 162 mm)	2" (50.8 mm)	250°F (121°C)	150 psi (10.34 bar)

NOTE: Will not accept model GAC 20BB, BBF1-20BB, WS-20BB or CRFC-20BB Cartridges
*Height does not include stand

Materials of Construction

Housing	304 Stainless Steel
Finish	Epoxy
Sealing Gasket	Buna-N

NOTE: Maximum cartridge diameter 4³/₄-inches (12 mm)

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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