



MPST-1.5 Multi-Purpose Stainless Steel Filter Housing

The PENTEK MPST-1.5 multi-purpose stainless steel filter housing is designed to accept either a 4½-inch x 20-inch double open end (DOE) cartridge or a PENTEK #420 bag filter. The housing comes standard as a cartridge filter housing, but the optional bag filter kit quickly converts it to a bag filter housing.

The MPST-1.5 housing is constructed of 304 stainless steel and powder-coated for a professional finish. This versatile housing is supplied with 1½-inch side inlet and bottom outlet ports, adjustable legs, drainage port and multiple gauge ports to easily adapt to any installation.

Applications include high temperature (250° F), high pressure (150 psi), and flow rates up to 50 gpm. Ideal for reduction of sediment and chlorine taste in whole house or small business applications, these housings can also be used in most water treatment, food processing and general filtration applications.

FEATURES

- Uses either 4½" x 20" DOE cartridges or #420 bag filters
- 1½" side inlet and 1½" bottom outlet
- Side drain plug for easy cleaning
- Gauge ports for either cartridge or filter bag applications
- Snap band clamp for quick change-outs
- Adjustable leg stand to ease installation

BENEFITS

- Quickly changes from a cartridge housing to a bag housing
- Uses any DOE 4½" x 20" cartridge or #420 bag filter
- Ideal for high temperature and high pressure applications
- Bottom outlet and adjustable leg stand allow for flexible application installations
- Multiple gauge ports allow the use of differential pressure gauges to take the guesswork out of when to change the cartridge or bag
- Snap band clamp minimizes down time for change-outs by allowing quick access to cartridge or bag filter

APPLICATIONS

- Sediment reduction using filter bags or cartridges
- Chlorine taste and odor reduction
- Whole house filtration
- Restaurants, cafeterias and food processing operations
- Schools, hotels and motels
- Laundries and laboratories

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Cartridge and Bag Options

Model	Material	Micron Rating
Recommended Sediment Cartridges:		
DGD-2501-20	Polypropylene	25 to 1
DGD-5005-20	Polypropylene	50 to 5
DGD-7525-20	Polypropylene	75 to 25
ECP1-20BB	Cellulose Polyester	1
ECP5-20BB	Cellulose Polyester	5
ECP20-20BB	Cellulose Polyester	20
ECP50-20BB	Cellulose Polyester	50
S1-20BB	Cellulose	20

Recommended Carbon Cartridges:		
NCP-20BB	Pleated Carbon	10
RFC20-BB	Granular Carbon	25
EPM-20BB	Carbon Block	10
EP-20BB	Carbon Block	5
CBC20-BB	Carbon Block	0.5
CRFC-20BB	Chloramine Carbon Block	25

Recommended Specialty Cartridge:		
OAC-20BB	Oil Adsorbing	NR

Model	Material	Micron Rating
Recommended Filter Bags:		
BP-420-1	Polypropylene Felt	1
BP-420-5	Polypropylene Felt	5
BP-420-10	Polypropylene Felt	10
BP-420-25	Polypropylene Felt	25
BP-420-50	Polypropylene Felt	50
BP-420-100	Polypropylene Felt	100
BP-420-200	Polypropylene Felt	200
BPHE-420-1	Polypro High Efficiency	1
BPHE-420-5	Polypro High Efficiency	5
BPHE-420-25	Polypro High Efficiency	25
BPHE-420-50	Polypro High Efficiency	50
BPHE-420-100	Polypro High Efficiency	100
BN-420-50	Nylon Monofilament	50
BN-420-100	Nylon Monofilament	100
BN-420-200	Nylon Monofilament	200
BN-420-250	Nylon Monofilament	250
BN-420-400	Nylon Monofilament	400
BN-420-600	Nylon Monofilament	600
BN-420-800	Nylon Monofilament	800

Housing Specifications and Performance Data

Model	Maximum Flow Rate**	Dimensions Height x O.A. Dia*	Pipe Size (NPT)	Maximum Temperature	Maximum Pressure
MPST-1.5	50 gpm (189 L/min)	29" x 6 3/8" (737 mm x 162 mm)	1 1/2" (38.1 mm)	250 °F (121 °C)	150 psi (10.34 bar)

NOTE: Bag filter conversion kit (243111) sold separately.

*NOTE: Will not accept model GAC 20BB, BBF1-20BB, WS-20BB or CRFC-20BB cartridges.

*Height does not include stand.

** Flow rate listed for housing without cartridge. Check cartridge specifications for cartridge flow rates.

Materials of Construction

Housing	304 Stainless Steel
Finish	Epoxy
Sealing Gasket	Buna-N

NOTE: Maximum cartridge diameter 4 1/4-inches (112 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.

Customize Your Housing

Take the guesswork out of when to change the cartridge or bag by adding one of two different style gauges.



143549*

Needle differential pressure gauge

Needle points to international standard colors to determine when cartridge should 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 colors indicate when cartridge should be changed.
 Green (clean) 0-7 psid;
 Red (change) 7-10 psid.

* Gauges sold separately