

PENTEK® MPST-1.5 MULTI-PURPOSE STAINLESS STEEL FILTER HOUSING

IDEAL FOR HIGH TEMPERATURE AND HIGH PRESSURE APPLICATIONS



MPST-1.5

The Pentair® Pentek® MPST-1.5 Multi-Purpose Stainless Steel Filter Housing is designed to accept either a 4-1/2" x 20" 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 1-1/2" 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/BENEFITS

Uses either 4-1/2" x 20" DOE cartridges or #420 bag filters

1-1/2" side inlet and 1-1/2" bottom outlet

Side drain plug for easy cleaning

Gauge ports for either cartridge or filter bag applications

Quickly changes from a cartridge housing to a bag housing

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

SPECIFICATIONS

Housing – 304 Stainless Steel

Finish – Epoxy

Sealing Gasket – Buna-N®

Temperature Rating - 40-250°F (4.4-121°C)

Maximum Pressure - 150 psi (10.3 bar)

SPECIFICATIONS AND PERFORMANCE

PART #	MODEL #	MAXIMUM FLOW RATE*	DIMENSIONS HEIGHT X O.A. DIA**	PIPE SIZE (NPT)
156237	MPST-1.5	50 gpm (189 L/min)	29" x 6.38" (737 mm x 162 mm)	1-1/2" (38.1 mm) ***

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

**Height does not include stand.

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

CARTRIDGE & BAG OPTIONS

PART #	MODEL #	MATERIAL	MICRON
CARBON CARTRIDGES			
155382-43	NCP-20BB	Pleated Carbon	10
155247-43	RFC20-BB	Granular Carbon	25
155783-43	EPM-20BB	Carbon Block	10
155583-43	EP-20BB	Carbon Block	5
155312-43	CBC20-BB	Carbon Block	0.5
155967-43	CRFC-20BB	Chloramine Carbon Block	25
SPECIALTY CARTRIDGES			
655139-03	OAC PLUS-20BB	Oil Adsorbing	-
SEDIMENT CARTRIDGES			
155360-43	DGD-2501-20	Polypropylene	25 - 1
155358-43	DGD-5005-20	Polypropylene	50 - 5
155356-43	DGD-7525-20	Polypropylene	75 - 25
255493-43	ECP1-20BB	Cellulose Polyester	1
255494-43	ECP5-20BB	Cellulose Polyester	5
255495-43	ECP20-20BB	Cellulose Polyester	20
255496-43	ECP50-20BB	Cellulose Polyester	50
155305-43	S1-20BB	Cellulose	20
BAG CONVERSION KIT			
243111	Bag filter conversion kit	Stainless steel	-

PART #	MODEL #	MATERIAL	MICRON
FILTER BAGS			
155384-03	BP-420-1	Polypropylene Felt	1
155386-03	BP-420-5	Polypropylene Felt	5
155388-03	BP-420-10	Polypropylene Felt	10
155390-03	BP-420-25	Polypropylene Felt	25
155392-03	BP-420-50	Polypropylene Felt	50
155394-03	BP-420-100	Polypropylene Felt	100
155396-03	BP-420-200	Polypropylene Felt	200
255024-03	BPHE-420-1	Polypropylene Felt	1
255026-03	BPHE-420-5	Polypropylene Felt	5
255028-03	BPHE-420-25	Polypropylene Felt	25
255029-03	BPHE-420-50	Polypropylene Felt	50
255031-03	BPHE-420-100	Polypropylene Felt	100
255255-03	BN-420-50	Polypropylene Felt	50
255032-03	BN-420-100	Polypropylene Felt	100
255034-03	BN-420-200	Polypropylene Felt	200
255035-03	BN-420-250	Polypropylene Felt	250
255037-03	BN-420-400	Polypropylene Felt	400
255038-03	BN-420-600	Polypropylene Felt	600
255039-03	BN-420-800	Polypropylene Felt	800

NOTE: Housing is sold as a cartridge filter housing for 4-1/2" x 20" cartridges. To convert the MPST to a Bag Filter, purchase the 243111 conversion kit. The bags can then be used in this housing.

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

NOTES: Maximum cartridge diameter 4.75" (12 mm). Not recommended for applications with TDS or Chlorides >1000 ppm and/or <0.5. Use of this product in these conditions will void the limited warranty. Consult factory for product modifications for these conditions.

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.



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