



INDUSTRIAL 2016 CATALOG

WATER QUALITY SYSTEMS

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LIQUID FILTER BAG AREA

SIZE	PLEATED		STANDARD	
	FT²	M²	FT²	M²
#1	9.0	0.83	2.0	0.19
#2	19.0	1.77	4.4	0.41
#4	2.5	0.23	1.0	0.09
#8	8.0	0.74	2.0	0.19
#9	1.13	1.12	3.4	0.32

RELATIVE MICRON COMPARISONS

BEACH SAND	>150 µ
GRANULAR SALT	100 µ
PIN POINT	80 µ
HUMAN HAIR (DIAMETER)	45-70 µ
WHITE BLOOD CELL	25 µ
PLANT SPORES	15 µ
RED BLOOD CELL	8 µ
FOG MIST	5 µ
TOBACCO SMOKE	0.1-1 µ
CARBON BLACK	0.02-0.1 µ
VIRUS	0.008-0.1 µ
AQUEOUS SALT	<0.002 µ



INDUSTRIAL FILTER CARTRIDGES

WATER QUALITY SYSTEMS

C-155 SERIES

ELECTROPLATING CARBON CARTRIDGES



The Pentair Industrial® C-155 Series Cartridges are a premium line of activated carbon filter cartridges specifically designed for electroplating solutions. They represent the best technology available in cartridge filtration for use in a wide range of electroplating applications.

The unique technology used to manufacture this product ensures that there is no bleeding of carbon fines into the plating bath. In addition, the carbon that is used is an ultra-clean, highly purified carbon to ensure that sulfur is not leached into the plating bath.

FEATURES/BENEFITS

Cellulose-free construction

Resistant to chemical breakdown in both acidic and alkaline solutions up to 180°F (82°C)

Integrated post-filtration layer to ensure that no carbon fines are bled into the plating bath

Endcap gaskets are permanently molded on to the endcaps to ease filter cartridge change-out

APPLICATIONS

Electroplating Solutions

INDUSTRIAL

CARTRIDGE SPECIFICATIONS

MODEL	MAX. DIMENSIONS	μ (NOMINAL)	INITIAL PSI @ FLOW RATE	CASE QUANTITY
C-155X10T	2.63" x 9.75" (67 mm x 248 mm)	10	3.4 psi @ 1 gpm (0.2 bar @ 3.8 Lpm)	30
C-155X20T	2.63" x 20" (67 mm x 508 mm)	10	3.4 psi @ 2 gpm (0.2 bar @ 7.6 Lpm)	30
C-155X30T	2.63" x 30" (67 mm x 762 mm)	10	3.4 psi @ 3 gpm (0.2 bar @ 11.4 Lpm)	30
C-155X40T	2.63" x 40" (67 mm x 1,016 mm)	10	3.4 psi @ 4 gpm (0.2 bar @ 15.1 Lpm)	12

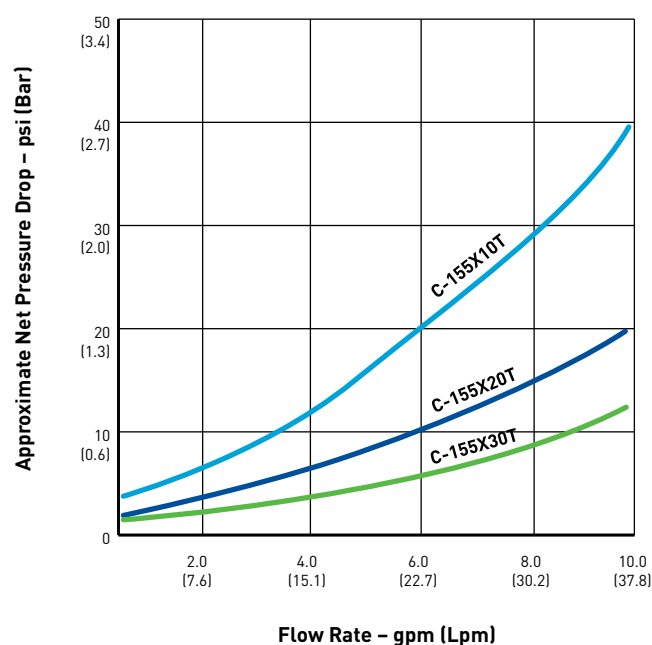
Custom configurations available. Please contact customer service.

Filter Media	Bonded PAC
Endcaps	Polypropylene
Netting	Polypropylene
Gaskets	Santoprene
Temp. rating	40-180°F (4.4-82.2°C)

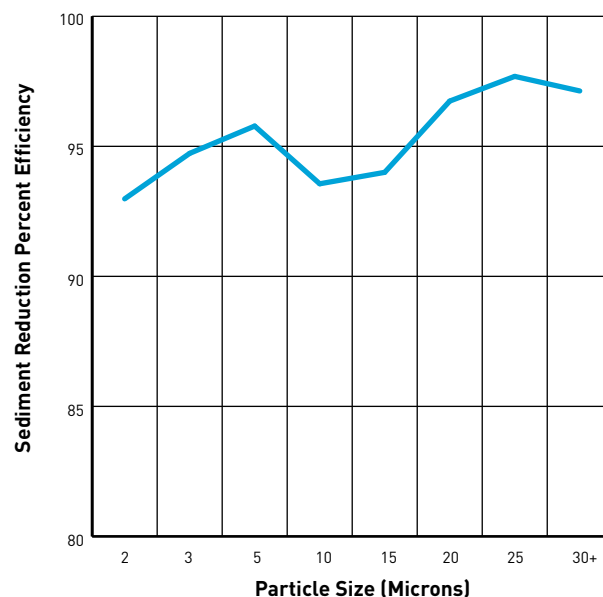
WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the unit.

NOTE: Cartridges will contain a very small amount of carbon fines (very fine black powder). After installation, a new cartridge should be flushed with sufficient water to remove all traces of fines prior to using the water. Micron ratings based on 85% or greater removal of given particle size. Estimated capacity using 2 ppm free available chlorine at 0.5 ppm breakthrough.

PRESSURE DROP VS FLOW RATE



EFFICIENCY



C-234 SERIES MODIFIED MOLDED BLOCK CARTRIDGES



C-234 Series Filter Cartridges provide the effective chlorine taste & odor reduction found in traditional carbon block media while offering excellent sediment reduction capabilities. These cartridges are an ideal choice for applications with high contaminants that lead to premature plugging with other cartridges.

C-234 Series Filter Cartridges are modified molded blocks created by use of proprietary Fibredyne[®] technology. This technology creates a unique filter media by attaching powdered activated carbon onto a cellulose-free synthetic fiber matrix. The result is a single cartridge that combines the benefits of both a sediment filter and a carbon block into a single cartridge. Fibredyne's carbon block technology also offers up to two times the chlorine taste & odor reduction and dirt-holding capacity of traditional blocks.*

**Based on manufacturer's internal testing.*

FEATURES/BENEFITS

High chlorine taste & odor and bad taste & odor reduction
Excellent dirt-holding capacity
Combines benefits of a sediment filter and a carbon block into a single cartridge

Post-filtration layer fused to the carbon/fiber media blend ensures cartridge will not release fines into the effluent stream
Made with proprietary Fibredyne technology
Manufactured entirely from FDA-compliant materials
Nominal 10 micron rating

APPLICATIONS

Commercial
Food Service
High Sediment
Industrial
Residential Water



Tested and Certified by NSF International to NSF/ANSI Standard 42 for material requirements only.

CARTRIDGE SPECIFICATIONS

MODEL	MAX. DIMENSIONS	μ (NOMINAL)	INITIAL PSI @ FLOW RATE	CHLORINE TASTE & ODOR REDUCTION @ FLOW RATE*	CASE QUANTITY
C-234X10T	2.63" x 9.75" (67mm x 248mm)	10	3.0 psi @ 1.0 gpm (0.2 bar @ 3.8 Lpm)	>5,000 gallons @ 1 gpm (>18,900 L @ 3.8 Lpm)	30
C-234X20T	2.63" x 20" (67mm x 508mm)	10	3.0 psi @ 2.0 gpm (0.2 bar @ 7.6 Lpm)	>10,000 gallons @ 2 gpm (>37,800 L @ 7.6 Lpm)	30
C-234X30T	2.63" x 30" (67mm x 762mm)	10	3.0 psi @ 3.0 gpm (0.2 bar @ 11.4 Lpm)	>15,000 gallons @ 3 gpm (>56,700 L @ 11.4 Lpm)	30
C-234X40T	2.63" x 40" (67mm x 1,016mm)	10	3.0 psi @ 4.0 gpm (0.2 bar @ 15.1 Lpm)	>20,000 gallons @ 4 gpm (>75,600 L @ 15.1 Lpm)	12

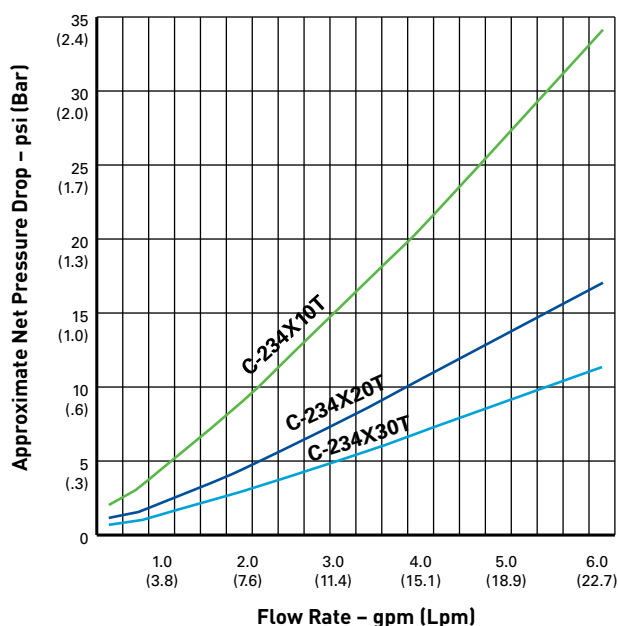
Custom configurations available. Please contact customer service.

Filter Media	Bonded PAC
Endcaps	Polypropylene
Netting	Polyethylene
Gaskets	Santoprene
Temp. rating	40° - 180° F (4.4° - 82.2° C)

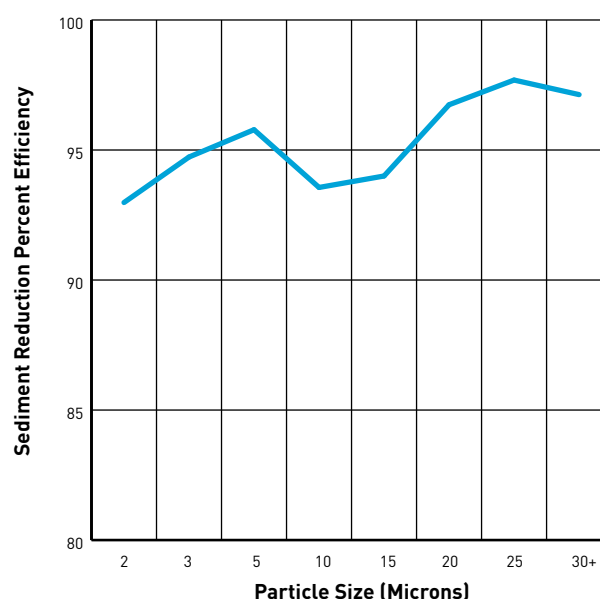
WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

NOTE: Performance capacity depends on system design, flow rate and certain other application conditions. Certain states require system registration and certification for health-related contaminant reduction using the water. Cartridges will contain a very small amount of carbon fines (very fine black powder). After installation, a new cartridge should be flushed with sufficient water to remove all traces of fines prior to using the water. Micron ratings based on 85% or greater removal of given particle size. Estimated capacity using 2 ppm free available chlorine at 0.5 ppm breakthrough.

PRESSURE DROP VS FLOW RATE



EFFICIENCY



C-245 SERIES

MODIFIED MOLDED BLOCK CARBON CARTRIDGES



C-245 Series Modified Molded Block Filter Cartridges offer the same benefits as other modified molded block products while providing even greater chlorine taste & odor reduction and the highest sediment reduction levels found in a carbon cartridge.

C-245 Series products are modified molded blocks manufactured using our proprietary Fibredyne technology. This technology creates a unique filter media by attaching powdered activated carbon onto a cellulose-free synthetic fiber matrix. The result is a single cartridge that combines the benefits of both a sediment filter and a carbon block.

Advantages of this technology include low pressure drop over the entire life of the cartridge and up to two times the chlorine taste & odor and dirt holding capacity of traditional carbon blocks.*

**Based on manufacturer's internal testing.*

FEATURES/BENEFITS

Up to two times the chlorine taste & odor reduction and dirt-holding capacity of traditional blocks
Combines the benefits of both a sediment filter and a carbon block into a single cartridge
Post-filtration layer fused to the carbon/fiber media blend ensures fines will not be released into the effluent stream

Fibredyne technology creates a unique filter media by attaching powdered activated carbon onto a cellulose-free synthetic fiber matrix
Manufactured entirely from FDA-compliant materials
Available in 2.6" (67 mm) diameter
Nominal 5-10 micron rating

APPLICATIONS

Commercial
Food Service
Industrial
Residential Water



Tested and Certified by NSF International to NSF/ANSI Standard 42 for material requirements only.

CARTRIDGE SPECIFICATIONS

MODEL	MAX. DIMENSIONS	μ (NOMINAL)	INITIAL PSI @ FLOW RATE	CHLORINE TASTE & ODOR REDUCTION @ FLOW RATE*	CASE QUANTITY
C-245X10T	2.63" x 9.75" (67mm x 248mm)	5	1.6 psi @ 1.0 gpm (0.1 bar @ 3.8 Lpm)	>10,000 gallons @ 1 gpm (>37,800 L @ 3.8 Lpm)	30
C-245X20T	2.63" x 20" (67mm x 508mm)	5	1.6 psi @ 2.0 gpm (0.1 bar @ 7.6 Lpm)	>20,000 gallons @ 2 gpm (>75,700 L @ 7.6 Lpm)	30
C-245X30T	2.63" x 30" (67mm x 762mm)	5	1.6 psi @ 3.0 gpm (0.1 bar @ 11.4 Lpm)	>30,000 gallons @ 3 gpm (>113,500 L @ 11.4 Lpm)	30
C-245X40T	2.63" x 40" (67mm x 1,016mm)	5	1.6 psi @ 4.0 gpm (0.1 bar @ 15.2 Lpm)	>40,000 gallons @ 4 gpm (>151,400 L @ 15.1 Lpm)	12

*Based on manufacturer's internal testing

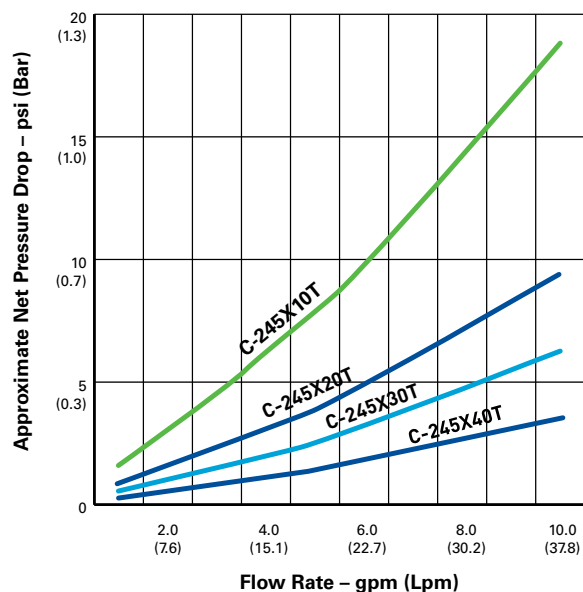
Custom configurations available. Please contact customer service.

Filter Media	Bonded PAC
Endcaps	Polypropylene
Netting	Polyethylene
Gaskets	Santoprene
Temp. rating	40° -180°F (4.4° -82.2°C)

WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

NOTE: Performance capacity depends on system design, flow rate and certain other application conditions. Certain states require system registration and certification for health-related contaminant reduction using the water. Cartridges will contain a very small amount of carbon fines (very fine black powder). After installation, a new cartridge should be flushed with sufficient water to remove all traces of fines prior to using the water. Micron ratings based on 85% or greater removal of given particle size. Estimated capacity using 2 ppm free available chlorine at 0.5 ppm breakthrough.

PRESSURE DROP VS FLOW RATE



C-246 SERIES

MODIFIED MOLDED BLOCK CARTRIDGES



C-246 Series Filter Cartridges offer the effective chlorine taste & odor reduction found in traditional carbon block media while providing superior sediment reduction with resistance to premature plugging.

C-246 Series Cartridges are modified molded blocks manufactured using proprietary Fibredyne technology. This technology creates a unique filter media by attaching powdered activated carbon onto a cellulose-free synthetic fiber matrix. Benefits of this technology include low pressure drop over the entire life of the cartridge and up to three times the chlorine taste & odor and dirt-holding capacity of traditional 0.5 micron carbon blocks.

FEATURES/BENEFITS

High chlorine taste & odor and bad taste & odor reduction
Some organic chemical reduction
Reduces cysts such as Cryptosporidium and Giardia by mechanical means*
Premium dirt-holding capacity
Combines benefits of both a sediment filter and a carbon block into a single cartridge

Made with Fibredyne technology
Post-filtration layer fused to the carbon/fiber media blend ensures cartridge will not release fines into the effluent stream
Manufactured entirely from FDA-compliant materials
Reduces particles as small as 0.5 microns in size by mechanical means

*Based on manufacturer's internal testing
EPA EST. NO. 086074-NH-001

APPLICATIONS

Commercial
Food Service
Industrial
Residential Water



Tested and Certified by NSF International to NSF/ANSI Standard 42 for material requirements only.

COMPONENT

CARTRIDGE SPECIFICATIONS

MODEL	MAX. DIMENSIONS	μ (NOMINAL)	INITIAL PSI @ FLOW RATE	CHLORINE TASTE & ODOR REDUCTION @ FLOW RATE*	CASE QUANTITY
C-246X10T	2.63" x 9.75" (67mm x 248mm)	0.5	10.7 psi @ 1.0 gpm (0.7 bar @ 3.8 Lpm)	>20,000 gallons @ 1 gpm (>95,700 L @ 3.8 Lpm)	30
C-246X20T	2.63" x 20" (67mm x 508mm)	0.5	10.7 psi @ 2.0 gpm (0.7 bar @ 7.6 Lpm)	>40,000 gallons @ 2 gpm (>151,400 L @ 7.6 Lpm)	30
C-246X30T	2.63" x 30" (67mm x 762mm)	0.5	10.7 psi @ 3.0 gpm (0.7 bar @ 11.4 Lpm)	>60,000 gallons @ 3 gpm (>287,100 L @ 7.6 Lpm)	12
C-246X40T	2.63" x 40" (67mm x 1,016mm)	0.5	10.7 psi @ 4.0 gpm (0.7 bar @ 15.2 Lpm)	>80,000 gallons @ 4 gpm (>382,800 L @ 15.1 Lpm)	12

*Based on manufacturer's internal testing

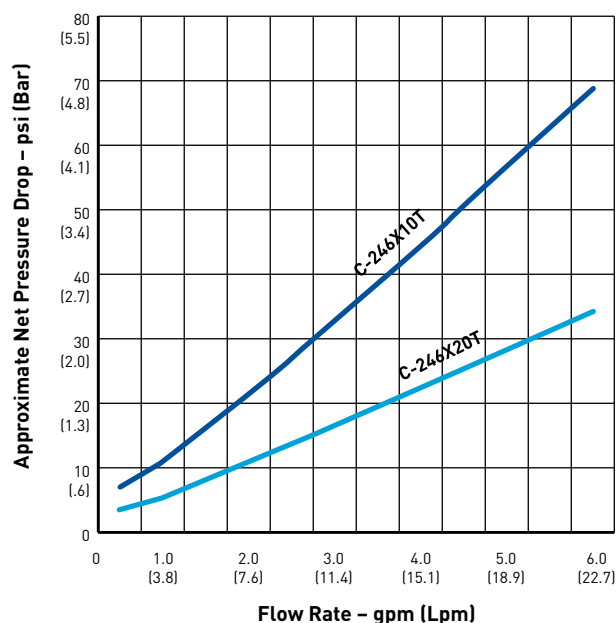
Custom configurations available. Please contact customer service.

Filter Media	Bonded PAC
Endcaps	Polypropylene
Netting	Spun Polyethylene
Gaskets	Santoprene
Temp. rating	40° - 180° F (4.4° - 82.2° C)

WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

NOTE: Performance capacity depends on system design, flow rate and certain other application conditions. Certain states require system registration and certification for health-related contaminant reduction using the water. Cartridges will contain a very small amount of carbon fines (very fine black powder). After installation, a new cartridge should be flushed with sufficient water to remove all traces of fines prior to using the water. Micron ratings based on 85% or greater removal of given particle size. Estimated capacity using 2 ppm free available chlorine at 0.5 ppm breakthrough. Giardia, Cryptosporidium, Entamoeba and Toxoplasma cyst claim based on tests showing greater than 99.95% reduction using NSF Standard 53 protocol.

PRESSURE DROP VS FLOW RATE



CELLFLEX SERIES

PLEATED CELLULOSE POLYESTER W/ PLASTISOL ENDCAP CARTRIDGES



Cellflex Series heavy duty cartridges are manufactured from a unique blend of materials to provide a higher wet strength than standard cellulose cartridges. They also provide high flow rates and dirt-holding capacity while maintaining extremely low pressure drop.

Cellflex Series are built with the media pleated around a polypropylene core for added strength. The ends are immersed in a thermo-setting vinyl plastisol. Embedding and sealing each end of the pleat block in this fashion fuses the components together, forming a unified endcap and gasket.

FEATURES/BENEFITS

High flow rates and dirt-holding capacity
Contain more media surface area than most competitive cartridges
Provides higher wet strength than regular cellulose cartridges

Made with a special formulation of resin-impregnated cellulose and polyester fibers
Low pressure drop
Available in 2.5" and 4.5" diameters
Plastisol endcaps

APPLICATIONS

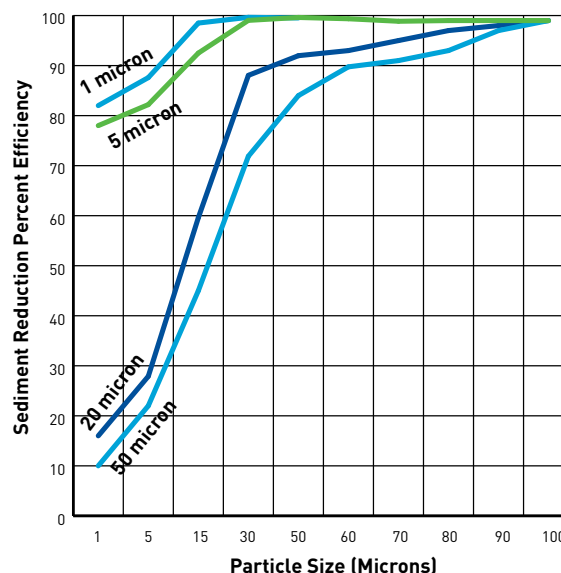
Chemicals
Pharmaceuticals
Electronics
Photographic
Magnetic Media
Water
Oil and Gas

CARTRIDGE SPECIFICATIONS

Filter Media	Cellulose Polyester
Temp. Rating	40° - 125° F (4.4° - 51.7° C)

WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

CARTRIDGE EFFICIENCY



INDUSTRIAL

MODEL	MAX. DIMENSIONS	μ (NOMINAL)	INITIAL PSI @ FLOW RATE
CEF1-9.75B	2.625" x 9.75" (67 mm x 248 mm)	1	<1 psi @ 10 gpm (<0.1 bar @ 38 Lpm)
CEF5-9.75B	2.625" x 9.75" (67 mm x 248 mm)	5	<1 psi @ 10 gpm (<0.1 bar @ 38 Lpm)
CEF20-9.75B	2.625" x 9.75" (67 mm x 248 mm)	20	<1 psi @ 10 gpm (<0.1 bar @ 38 Lpm)
CEF50-9.75B	2.625" x 9.75" (67 mm x 248 mm)	50	<1 psi @ 10 gpm (<0.1 bar @ 38 Lpm)
CEF1-20B	2.625" x 20" (67 mm x 508 mm)	1	<1 psi @ 10 gpm (<0.1 bar @ 38 Lpm)
CEF5-20B	2.625" x 20" (67 mm x 508 mm)	5	<1 psi @ 10 gpm (<0.1 bar @ 38 Lpm)
CEF20-20B	2.625" x 20" (67 mm x 508 mm)	20	<1 psi @ 10 gpm (<0.1 bar @ 38 Lpm)
CEF50-20B	2.625" x 20" (67 mm x 508 mm)	50	<1 psi @ 10 gpm (<0.1 bar @ 38 Lpm)
CEF1-9.75F	4.5" x 9.75" (114 mm x 248 mm)	1	<1 psi @ 20 gpm (<0.1 bar @ 76 Lpm)
CEF5-9.75F	4.5" x 9.75" (114 mm x 248 mm)	5	<1 psi @ 20 gpm (<0.1 bar @ 76 Lpm)
CEF20-9.75F	4.5" x 9.75" (114 mm x 248 mm)	20	<1 psi @ 20 gpm (<0.1 bar @ 76 Lpm)
CEF50-9.75F	4.5" x 9.75" (114 mm x 248 mm)	50	<1 psi @ 20 gpm (<0.1 bar @ 76 Lpm)
CEF1-20F	4.5" x 20" (114 mm x 508 mm)	1	<1 psi @ 20 gpm (<0.1 bar @ 76 Lpm)
CEF5-20F	4.5" x 20" (114 mm x 508 mm)	5	<1 psi @ 20 gpm (<0.1 bar @ 76 Lpm)
CEF20-20F	4.5" x 20" (114 mm x 508 mm)	20	<1 psi @ 20 gpm (<0.1 bar @ 76 Lpm)
CEF50-20F	4.5" x 20" (114 mm x 508 mm)	50	<1 psi @ 20 gpm (<0.1 bar @ 76 Lpm)

*Based on manufacturer's internal testing

Custom configurations available. Please contact customer service.

CASE QUANTITY

2.5" (64mm)		4.5" (114mm)	
LENGTH	QTY.	LENGTH	QTY.
9.75"	24	9.75"	8
20"	14	20"	6
30" & 40"	20		

ORDERING INFORMATION

To create your ordering part number, use the part number configurator below.

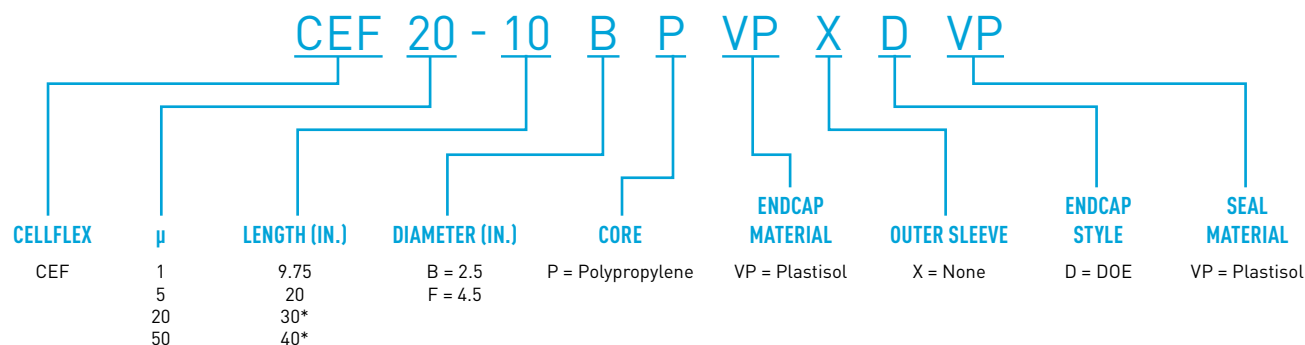
Custom configurations available. Please contact customer service.

EXAMPLE: CEF20-10BPVPXDVP

Cellflex Filter Cartridge (CEF)

20-micron rating [20], 10" length [10], 2.5" diameter [B], Polypropylene core [P]

Plastisol endcaps (VP), No outer sleeve (X), Double-open-ended style (D), Plastisol seal (VP)



*2.5" diameter only

COREFLEX SERIES

PLEATED CELLULOSE CARTRIDGES



Coreflex Series Pleated Cellulose Cartridges are economical, 20 micron, double open end filters designed for commercial and industrial filtration applications. Coreflex cartridges are available in nominal 20" lengths (508 mm) with 2.5" or 4.5" (64 or 114 mm) diameters.

The cellulose media of Coreflex Cartridges is pleated around a polypropylene core for enhanced strength and the ends are immersed in a thermo-setting vinyl plastisol. Embedding and sealing each end of the pleat in this fashion fuses the cartridge components together, forming a unified endcap and gasket. The overlap seam is sonically welded to reduce bypass, improving filtration efficiency.

Coreflex cartridges deliver high dirt-loading capacity with long life to reduce maintenance and change-outs. They are highly effective at reducing sediment particles down to 20 microns in size.

FEATURES/BENEFITS

Quality construction at an economical price
Long cartridge life
Reduced maintenance and change-outs
Low pressure drop
Pleated design

Media runs full length of cartridge
Sonically welded seam
Single piece polypropylene core
Plastisol endcaps
Nominal 20 micron rating

APPLICATIONS

Coolants
Commercial
General Filtration
Industrial
Lubricating Oils
Pre-filtration
Petrochemicals
Wastewater

CARTRIDGE SPECIFICATIONS

Filter Media	Resin Impregnated Cellulose
Endcaps	Vinyl Plastisol
Core	Polypropylene
Temp. Rating	40° -125°F (4.4° -51.7°C)

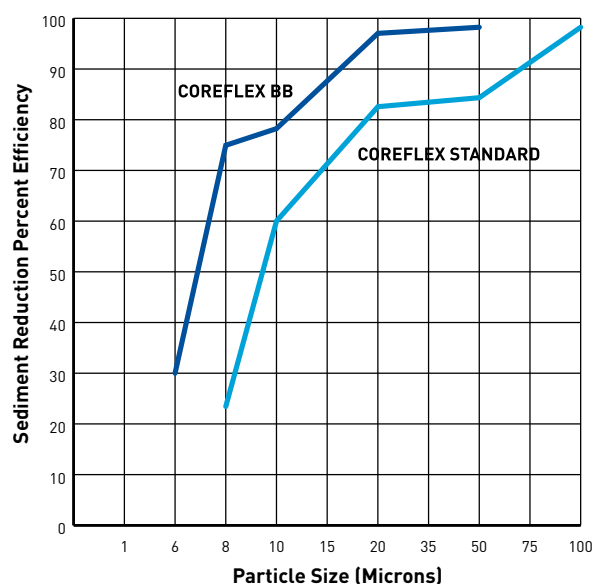
INDUSTRIAL

MODEL	MAX. DIMENSIONS	μ (NOMINAL)	INITIAL PSI @ FLOW RATE
COF20-9.75B	2.625" x 9.75" (67 mm x 248 mm)	20	2.4 psi @ 10 gpm (0.17 bar @ 38 Lpm)
COF20-20B	2.625" x 20" (67 mm x 508 mm)	20	0.8 psi @ 10 gpm (0.06 bar @ 38 Lpm)
COF20-9.75F	4.5" x 9.75" (114 mm x 248 mm)	20	1.2 psi @ 10 gpm (0.08 bar @ 38 Lpm)
COF20-20F	4.5" x 20" (114 mm x 248 mm)	20	1.2 psi @ 10 gpm (0.08 bar @ 38 Lpm)

*Based on manufacturer's internal testing

Custom configurations available. Please contact customer service.

CARTRIDGE EFFICIENCY



CASE QUANTITY

2.5" (64mm)		4.5" (114mm)	
LENGTH	QTY.	LENGTH	QTY.
9.75"	24	9.75"	8
20"	14	20"	6
30" & 40"	14		

ORDERING INFORMATION

To create your ordering part number, use the part number configurator below.

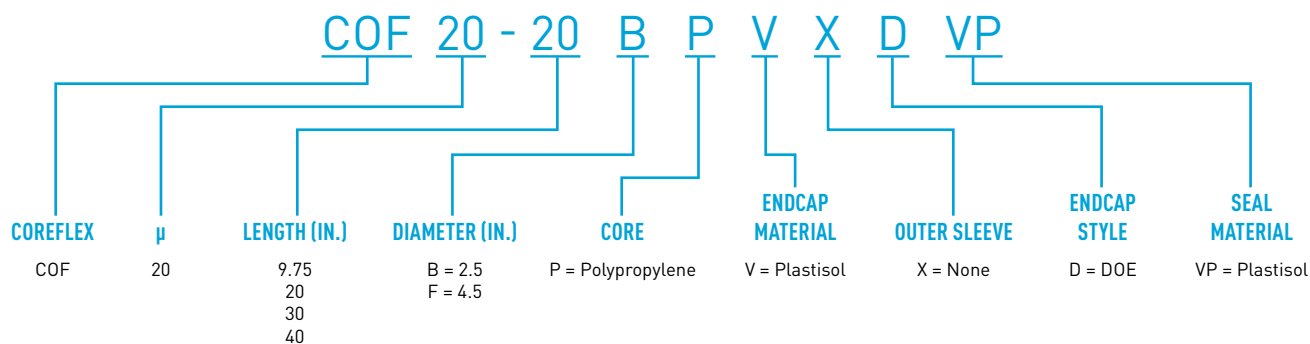
Custom configurations available. Please contact customer service.

EXAMPLE: COF20-20BPVXDVP

Coreflex Filter Cartridge (COF)

20-micron rating (20), 20" length (20), 2.5" diameter (B), Polypropylene core (P)

Plastisol endcaps (V), No outer sleeve (X), Double-open-ended (D), Plastisol seal (VP)



HYDRAULIC CARTRIDGES



Pentair Hydraulic Filter Cartridges provide high dirt load capabilities to ensure hydraulic system performance. Either particulate or water adsorbent media are available.

The Pentair Hydraulic Filter Cartridges provide an economical choice as either replacement cartridges or as part of a filtration system package with our single and multi-round hydraulic housings.

FEATURES/BENEFITS

Particulate or water adsorbent media types

Available 1, 5, 10, 25, 50, 75 and 100 micron ratings

Flow rate is 60 gpm (227.1 Lpm) at 150 SSU/1 PSID (0.07 bar) per 18" (457 mm) of element

Recommended change-out is 15-20 PSID (1-1.4 bar)

APPLICATIONS

Diesel Fuel
Fuel Oils
Hydraulic Fluids
Industrial Process Fluids
Mineral Oil
Solvents
Transformer Oils

INDUSTRIAL

CARTRIDGE SPECIFICATIONS

PART NUMBER	LENGTH	μ	MEDIA TYPE	CASE QUANTITY
KK718-1	18" [457 mm]	1	Particulate	6
KK718-*	18" [457 mm]	Any standard*	Particulate	6
KK718W-1	18" [457 mm]	1	Water Adsorbent	6
KK718W-*	18" [457 mm]	Any standard*	Water Adsorbent	6
KK736-1	36" [914 mm]	1	Particulate	4
KK736-*	36" [914 mm]	Any standard*	Particulate	4
<i>For 36" length water adsorbent, use quantity 2 of the KK718W-*</i>				
KK744-1	44" [1118 mm]	1	Particulate	4
KK744-*	44" [1118 mm]	Any standard*	Particulate	4

* Standard Microns = 5, 10, 25, 50, 75 and 100.

Custom configurations available. Please contact customer service.

CONSTRUCTION

SIZES (OD x ID x HT)		6" x 2.625" x 18" (152 x 67 x 457 mm)	6" x 2.625" x 36" (152 x 67 x 914 mm)	6" x 3.5" x 44" (152 x 89 x 1118 mm)
MEDIA	PARTICULATE	Phenolic resin-impregnated cellulose		
	WATER ADSORBENT	Laminated adsorbent & resin-impregnated cellulose		
OUTER WRAP		Electrolytic tinplate with 3/32" openings		
ENDCAPS		Tin-plated steel		
CENTER CORE		Heavy-duty spiral locked, corrugated steel, rated for 75 PSID		
GASKETS		3/32" Buna-N		
SURFACE AREA		32ft. ² [2.9 m ²]	62ft. ² [5.8 m ²]	60ft. ² [5.6 m ²]

OAC PLUS

OIL ADSORBING CARTRIDGES



The OAC Plus Oil Adsorbing Filter Cartridge removes high amounts of dissolved, dispersed and emulsified hydrocarbons from water. The proprietary filter media, which is made using Pentair Fibredyne technology, chemically bonds with hydrocarbons. The OAC Plus can provide up to 8 times the removal efficiency of granular activated carbon filter cartridges.

The OAC Plus Oil Adsorbing Filter Cartridge typically reduces hydrocarbon contamination up to 95% in a single pass. Lower outlet levels of hydrocarbons can be achieved by connecting cartridges in series.

FEATURES/BENEFITS

Removes dissolved and dispersed oils
Media can hold up to 340 percent of its own weight, with no release of removed hydrocarbons
Instantaneous adsorption – up to 95% of total hydrocarbons removed in a single pass

Up to 8 times more efficient than granular activated carbon filters
High flow rates
Low pressure drop
Multiple sizes available for custom applications

APPLICATIONS

Industrial effluent treatment
Boiler feed water
Bilge and ballast water
Desalination plants

Oil and gas facilities
Car and truck washes
Surface water runoff
(truck stops, airports, parking lots)

INDUSTRIAL

CARTRIDGE SPECIFICATIONS

Endcaps	Polypropylene w/ Santoprene gasket					
Center core	Polypropylene	OAC PLUS-9.8T DOE	2.63" x 9.86" {67 mm x 251 mm}	1.085" {28 mm}	2.63" {67mm}	30
Outer net	Polyethylene	OAC PLUS-10T DOE	2.63" x 10.08" {67 mm x 256 mm}	1.085" {28 mm}	2.63" {67mm}	30
Media	Proprietary	OAC PLUS-20T DOE	2.63" x 20.1" {67 mm x 511 mm}	1.085" {28 mm}	2.63" {67mm}	30
Area	18 ft.² {1.7m²}	OAC PLUS-20BB DOE	4.63" x 20.1" {118 mm x 511 mm}	1.13" {29 mm}	4.63" {118mm}	6
Temp. rating	180°F {82°C}	OAC PLUS-30T DOE	2.63" x 30.12" {67 mm x 756 mm}	1.085" {28 mm}	2.63" {67mm}	30
Chemical notification	0 {zero}	OAC PLUS-40T DOE	2.63" x 40.1" {67 mm x 1019 mm}	1.085" {28 mm}	2.63" {67mm}	12
		OAC PLUS-20BB UPC	4.63" x 20.1" {118 mm x 511 mm}	1.13" {29 mm}	4.63" {118mm}	6
		OAC PLUS-30 222 FLAT	2.74" x 30.5" {70 mm x 775 mm}	-	2.74" {70 mm}	20
		OAC PLUS-40 222 FLAT	2.74" x 40.5" {70 mm x 1029 mm}	-	2.74" {70 mm}	12
		OAC PLUS-40 222 FIN	2.74" x 42.13" {70 mm x 1070 mm}	-	2.74" {70 mm}	12
		OAC PLUS-40 BB	4.63" x 40.1" {118 mm x 1019 mm}	1.13" {29 mm}	4.63" {118mm}	5

PERFORMANCE (AVERAGE OIL REMOVAL*)

CAP O.D.	10"	20"	30"	40"
2.63" [72 mm]	432 gms	864 gms	1,296 gms	1,728 gms
4.63" [118 mm]	1,548 gms	3,096 gms	4,644 gms	6,192 gms

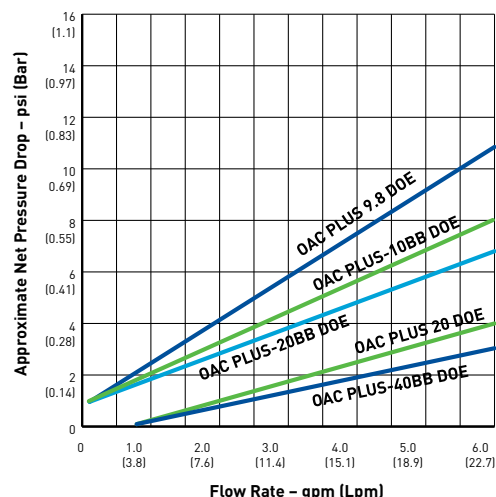
Custom configurations available. Please contact customer service.

NOTE: Operating flow will vary based on applications, type of pollutants, flow rates and level of contamination.

DISPOSAL: Safe and acceptable method to meet all local and EPA regulations is recommended. End user is responsible for safe disposal of used cartridge at user's cost.

** Based on manufacturer's internal testing.*

PRESSURE DROP VS. FLOW RATE



Change-out frequency will depend on the oil burden in the application. Because no appreciable increase in pressure drop is observed during service life, the filter must be changed when its adsorption capacity is exhausted.

PENTAFLEX SERIES

BETA 5000/ABSOLUTE-RATED PES MEMBRANE CARTRIDGES



Pentaflex Absolute-rated PES Membrane Cartridges are available for general purpose filtration and for the specialized needs of the food and beverage, electronics and high-purity chemical industries.

The Pentaflex Absolute-rated PES Membrane Cartridges combine polypropylene with polyethersulfone. The endcaps, center cores and outer support cages are constructed of polypropylene for increased durability.

FEATURES/BENEFITS

Efficiency rating exceeds 99.98% (beta 5000)	Electronics Grade cartridges are 18 megohm flushed and individually tested
Highly asymmetric PES membrane for full particle retention	Electronics and General Grade cartridges contain approximately 30% more surface area than the Water Grade
Reduces particles as small as 0.1 micron in size by mechanical means*	High flow rates
Available in 10", 20", 30" and 40" (254, 508, 762 and 1016 mm) lengths with a nominal outside diameter of 2.70" (69 mm)	Manufactured from FDA-listed materials
Polypropylene center core and outer support cage for increased durability	Meets USP Class IV biological test for plastics
	Multiple endcap configurations and O-ring materials available

* Not intended for the removal of microbial pests including virus, bacteria and cysts.

APPLICATIONS

Chemicals
Deionized Water Systems
Electronics
Food and Beverage
General Use Water
Industrial
Post-filter for RO Systems

SPECIFICATIONS

Filter Media	Polypropylene/ Polyethersulfone
Endcaps & Supports	Polypropylene
Max. Temp. Rating	176°F (80°C)
Max. Differential Pressure	50 PSID (3.4 bar) forward, 40 PSID (2.8 bar) reverse

STERILIZATION

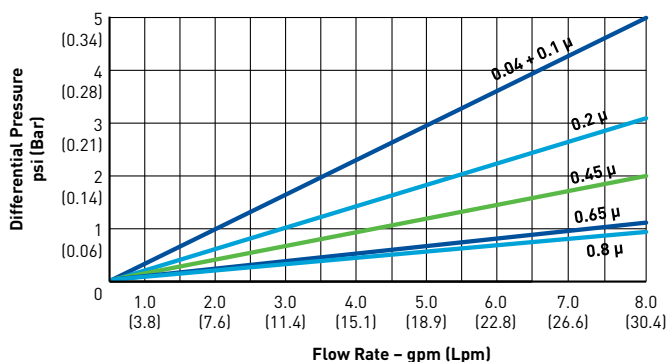
Hot Water	176°F (80°C) 30 minutes
Steam Sterilization	250°F (121°C) multiple cycles

Stainless steel insert required for cartridges that will be sterilized/sanitized with steam or hot water.

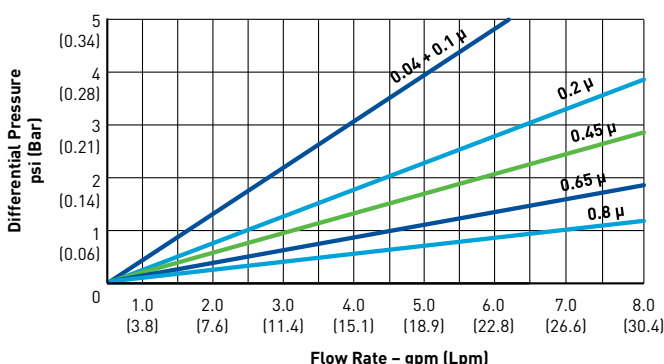
INDUSTRIAL

PRESSURE DROP VS FLOW RATE

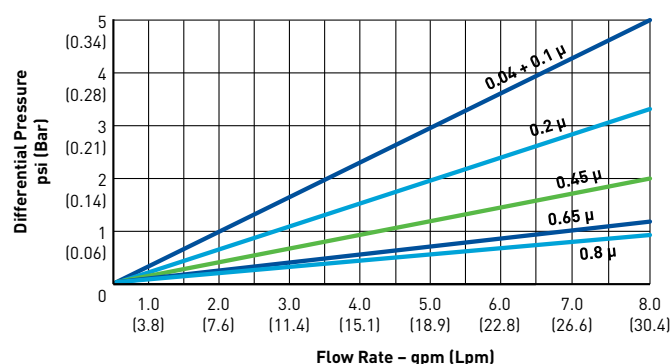
GENERAL GRADE



WATER GRADE



ELECTRONICS GRADE



CASE QUANTITY

6 per case

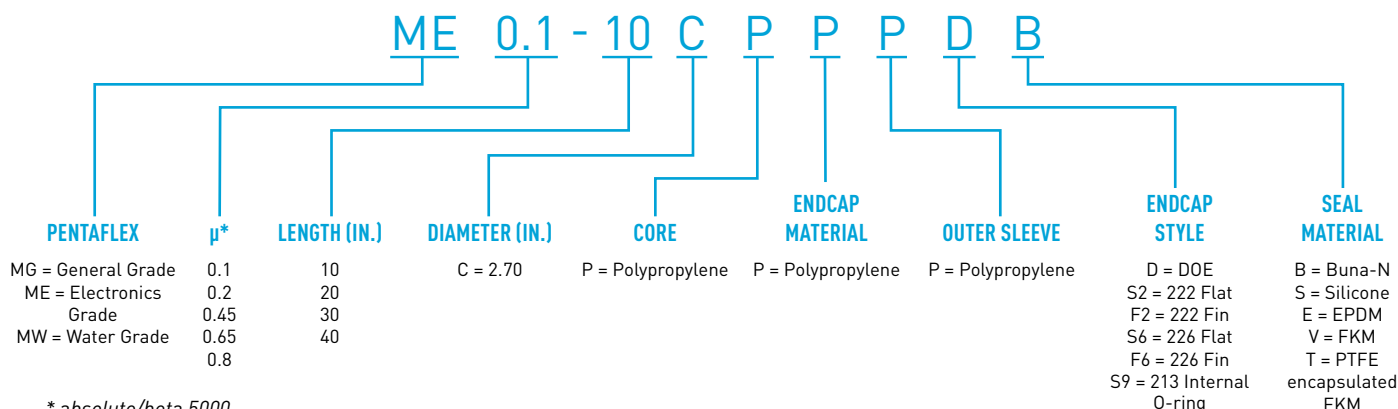
Flow rate is per single 10" water-grade element. For other liquids, multiply the ΔP by the fluid's viscosity in centipoise. For longer cartridges, divide the ΔP by the number of 10" equivalents.

ORDERING INFORMATION

To create your ordering part number, use the part number configurator below.
Custom configurations available. Please contact customer service.

EXAMPLE: ME0.1-10CPPPDB

Pentaflex Electronics Grade Filter Cartridge (ME)
0.1-absolute micron rating (0.1), 10" length (10), 2.70" diameter (C), Polypropylene core (P)
Polypropylene endcaps (P), Polypropylene sleeve (P), Double-open-ended (D), Buna-N seal (B)



* absolute/beta 5000

Not intended for the removal of microbial pests including virus, bacteria and cysts.

INDUSTRIAL PUREFLEX SERIES HEPP

BETA 5000/ABSOLUTE-RATED PLEATED POLYPROPYLENE CARTRIDGE



Pureflex HEPP High Efficiency Cartridges are an effective and economical filtration choice where beta 5000 rating (99.98% efficiency) is needed. Manufactured entirely of polypropylene materials, Pureflex HEPP High Efficiency Cartridges are chemically compatible for a broad range of applications.

The rigid outer cage design offers stability for the 6.5 ft.² [0.60 m²] of media per 10" (254 mm) length. Using FDA-listed materials, a thermal bonding process is used to seal the media, core, cage and endcaps. This glue-free process ensures bypass-free filtration for superior compatibility.

FEATURES/BENEFITS

Efficiency ratings exceeding 99.98% (beta 5000)
 Reduces particles as small as 0.2 micron in size by mechanical means*
 Available in 10", 20", 30" and 40" (254, 508, 762 and 1,016 mm) lengths
 6.5 ft.² [0.60 m²] of media per 10" (254 mm) length cartridge
 High dirt-holding capacity
 Long cartridge life
 Chemically compatible in most applications

Low pressure drop
 Single-piece cage and core construction
 Available in 2.70" (69 mm) diameters with hard outer cage construction
 Manufactured from FDA-listed materials
 Multiple endcap configurations and O-ring materials available

*Not intended for the removal of microbial pests including virus, bacteria and cysts.

APPLICATIONS

Chemicals	Magnetic Media
Cosmetic	Medical
Electronic	Pharmaceutical
Food & Beverage	Photographic
Ink	Pre-filter for RO systems

Custom configurations available. Please contact customer service.

INDUSTRIAL

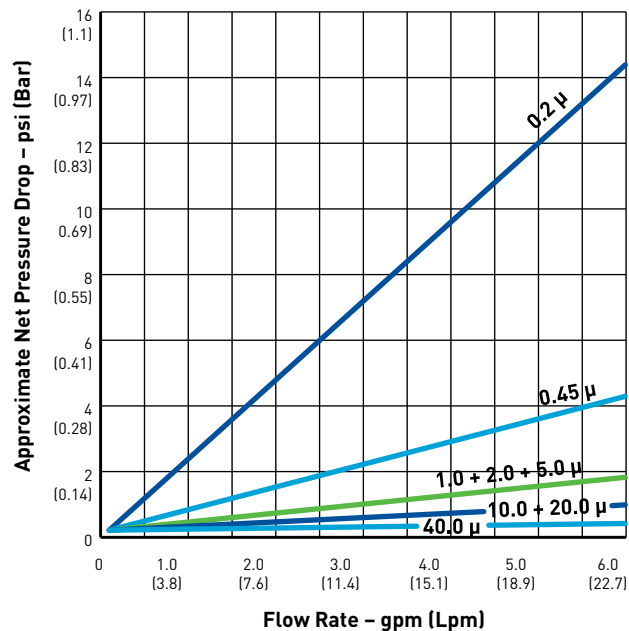
SPECIFICATIONS

Filter Media & Endcaps	Polypropylene
Max. Temp. Rating	180°F (82.2°C)
Max. Differential Pressure	50 PSID (3.4 bar)

CASE QUANTITY

12 per case

PRESSURE DROP VS FLOW RATE

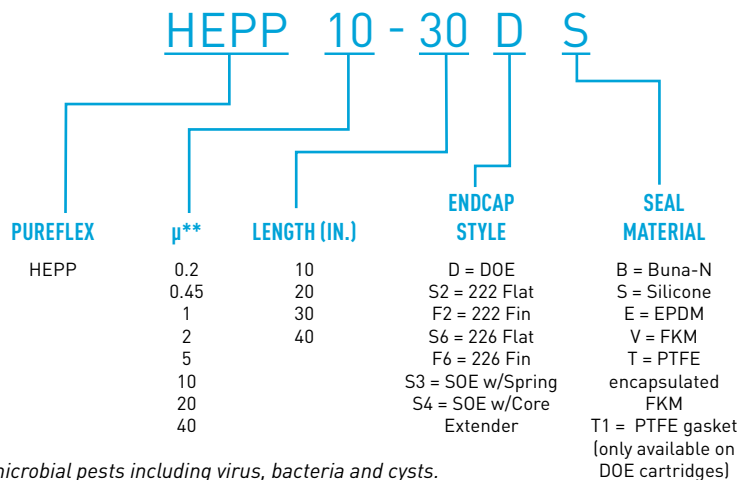


ORDERING INFORMATION

To create your ordering part number, use the part number configurator below.
Custom configurations available. Please contact customer service.

EXAMPLE: HEPP10-30DS

Pureflex HEPP High Efficiency Filter Cartridge (HEPP)
10-micron rating (10), 30" length (30), Double-open-ended (D), Silicone seal (S)



**absolute/beta 5000

Not intended for the removal of microbial pests including virus, bacteria and cysts.

INDUSTRIAL PUREFLEX SERIES NEPP

NOMINAL RATED PLEATED POLYPROPYLENE CARTRIDGES



Pureflex Nominal Efficiency Pleated Polypropylene Cartridges offer high purity filtration for a wide range of commercial and industrial applications.

Manufactured entirely of polypropylene materials, Pureflex Cartridges are chemically compatible for a broad range of applications. The polypropylene sleeve offers protection for the 6.6 ft.² (0.61 m²) of media per 10" (254 mm) length. Using FDA-listed materials, a thermal bonding process is used to seal the media, core, cage and endcaps. This glue-free process ensures bypass-free filtration for superior compatibility. A wide selection of sizes, micron ratings, and endcap configurations contributes to their versatility. Testing in our advanced in-house laboratory, as well as by third-party laboratories, ensures data integrity and high-quality cartridges.

FEATURES/BENEFITS

Reduces particles as small as 0.2 micron in size by mechanical means*	Media runs full length of cartridges
Available in 10", 20", 30" and 40" (254, 508, 762 and 1,016 mm) lengths	2.70" (69 mm) diameter
6.6 ft. ² (0.61 m ²) of media per 10" (254 mm) length cartridge	Manufactured from FDA-listed materials
High dirt-holding capacity	Multiple endcap configurations and O-ring materials available
Long cartridge life	
Chemically compatible in most applications	
Low pressure drop	

* Not intended for the removal of microbial pests including virus, bacteria and cysts.

APPLICATIONS

Chemicals	Magnetic Media
Cosmetic	Medical
Electronic	Pharmaceutical
Food & Beverage	Photographic
Ink	Pre-filter for RO systems

INDUSTRIAL

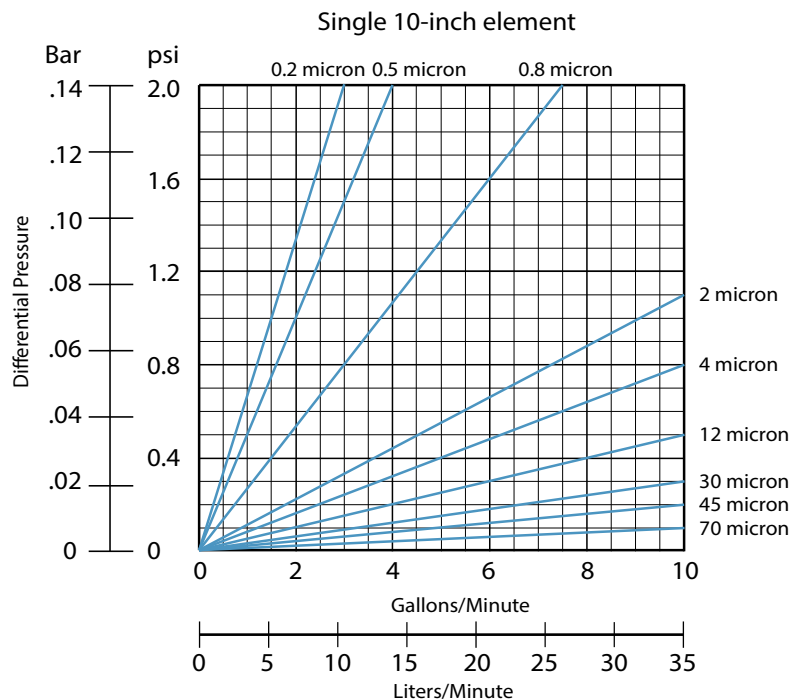
SPECIFICATIONS

Filter Media & Endcaps	Polypropylene
Max. Temp. Rating	180°F (82.2°C)
Max. Differential Pressure	75 PSID (5.2 bar)

CASE QUANTITY

12 per case

PRESSURE DROP VS FLOW RATE

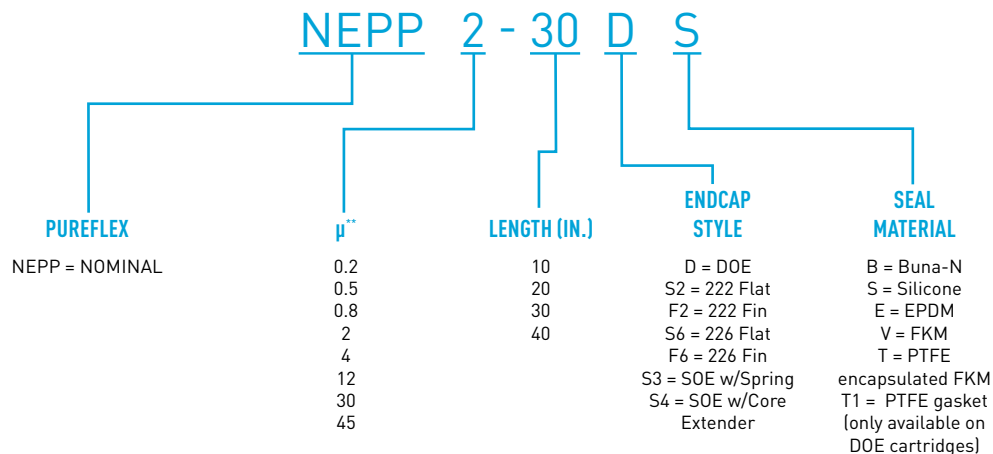


ORDERING INFORMATION

To create your ordering part number, use the part number configurator below.
Custom configurations available. Please contact customer service.

EXAMPLE: NEPP2-30DS

Pureflex NEPP Nominal Efficiency Filter Cartridge (NEPP)
2-micron rating (2), 30" length (30), Double-open-ended (D), Silicone seal (S)



**Not intended for the removal of microbial pests including virus, bacteria and cysts.

RESFLEX SERIES

RESIN BONDED CARTRIDGES



Resflex Resin Bonded Cartridges are a patented breakthrough in resin bonded cartridge design.

A unique, proprietary two-stage filtration construction maximizes particle removal and service life in viscous fluid filtration applications. An outer, spiral, prefilter wrap increases cartridge strength and eliminates residual debris associated with conventional, machined, resin bonded cartridges. The inner layers control particle removal at the rated size.

FEATURES/BENEFITS

Outer wrap increases surface area and eliminates loose debris and contamination caused by machined products

Extra-long acrylic fibers provide added strength, resist breakage and migration common with competitive "short fiber" cartridges

Phenolic resin impregnation strengthens cartridge for use with fluid viscosities up to 15,000 SSU (3200 cks)

Withstands pressure surges up to 150 PSID (10.3 bar) across cartridge (depending on fluid temperature)

Double-open-ended one-piece construction eliminates bypass concerns with multilength cartridges and eases change out

Silicone-free construction ensures no contamination to adversely affect adhesion properties of coatings

Flow rate 10 gpm (38 Lpm) per 10" (254 mm) length

APPLICATIONS

Adhesives
Chemical Coatings
Emulsions
Organic Solvents
Paints
Petroleum Products
Printing Inks
Process Water
Resins
Waxes

CARTRIDGE SPECIFICATIONS

Filter Media	Acrylic Long Stable Fiber; Phenolic Bonding Resin
Max. Temp. Rating	250°F (121°C)
Max. Differential Pressure	150 PSID (10.3 bar)
Outer Diameter	2.56" (65 mm)

INDUSTRIAL

FLOW RATE & PRESSURE DROP FORMULAS

$$\text{Flow Rate (GPM)} = \frac{\text{Clean } \Delta P \times \text{Length Factor}}{\text{Viscosity} \times \text{Flow Factor}}$$

$$\text{Clean DP} = \frac{\text{Flow Rate} \times \text{Viscosity} \times \text{Flow Factor}}{\text{Length Factor}}$$

1. Clean ΔP is PSI differential at start.
2. Viscosity is centistokes.
3. Flow Factor is $\Delta P/\text{GRM}$ at 1 cks for 10" (254 mm) or single length
4. Length Factors convert flow or ΔP from 10" (254 mm) single length to required cartridge length.

FLOW FACTORS

RATING (μm)	FLOW FACTORS
2	0.08
5	0.04
10	0.02
25	0.012
50	0.01
75	0.006
125	0.0013
150	0.0010

LENGTH FACTORS

LENGTH	FLOW FACTORS
9" (228 mm)	1.0
10" (254 mm)	1.0
19" (483 mm)	2.0
20" (508 mm)	2.0
30" (762 mm)	3.0
40" (1,016 mm)	4.0

CASE QUANTITY

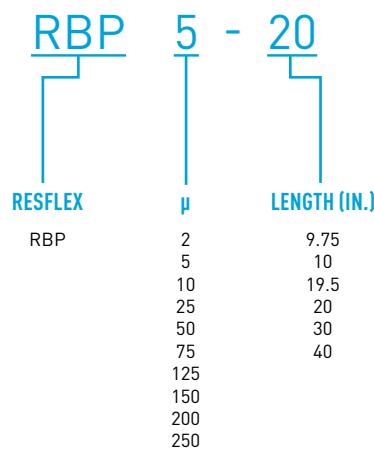
SIZE	CASE QUANTITY
10"	60
20"-30"	30
40"	15

ORDERING INFORMATION

To create your ordering part number, use the part number configurator below.
Custom configurations available. Please contact customer service.

EXAMPLE: RBP5-20

Resflex Filter Cartridge (RBP)
5-micron rating (5), 20" length (20)



STEEFLEX SERIES

STAINLESS STEEL CARTRIDGES



Steelflex Stainless Steel Cartridges, capable of withstanding differential pressures up to 60 PSI (4.1 bar) and temperatures up to 500°F (260°C), are compatible with most chemicals and can be cleaned and reused. For outstanding performance in a variety of commercial, industrial and general filtration applications, choose Steelflex Stainless Steel Cartridges.

Fabricated using 304 or 316 Stainless Steel, with pleated or cylindrical surfaces and inner support bands, Steelflex cartridges are offered with micron ratings ranging from 5 to 840 in a variety of lengths and endcap options.

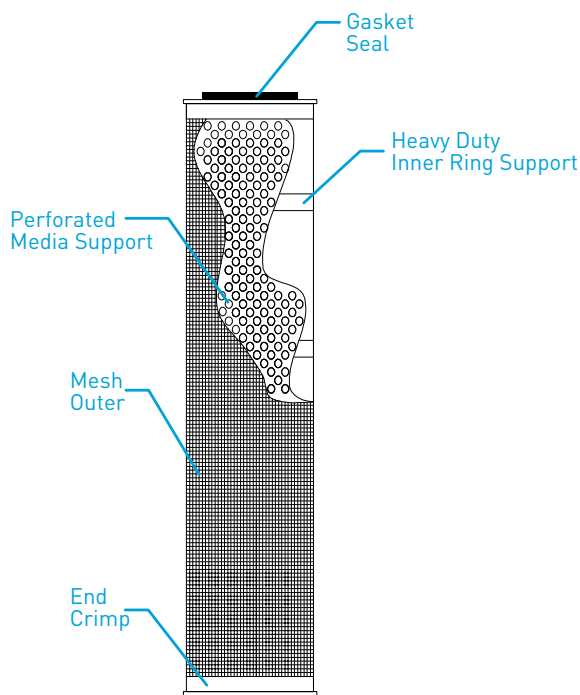
FEATURES/BENEFITS

Cleanable and reusable
Unaffected by most chemicals
Withstand differential pressures up to 60 PSI (4.1 bar)
Work at temperatures up to 500°F (260°C)
Available in 304 (standard) or 316 Stainless Steel

Pleated or cylindrical configurations
Offered in a variety of lengths and endcap options
Micron ratings from 5 to 840
2.5" (64 mm) diameter (cylindrical)

APPLICATIONS

Commercial
General Industrial
High Corrosion
High Pressure
High Temperature
Hydraulic



INDUSTRIAL

CARTRIDGE SPECIFICATIONS

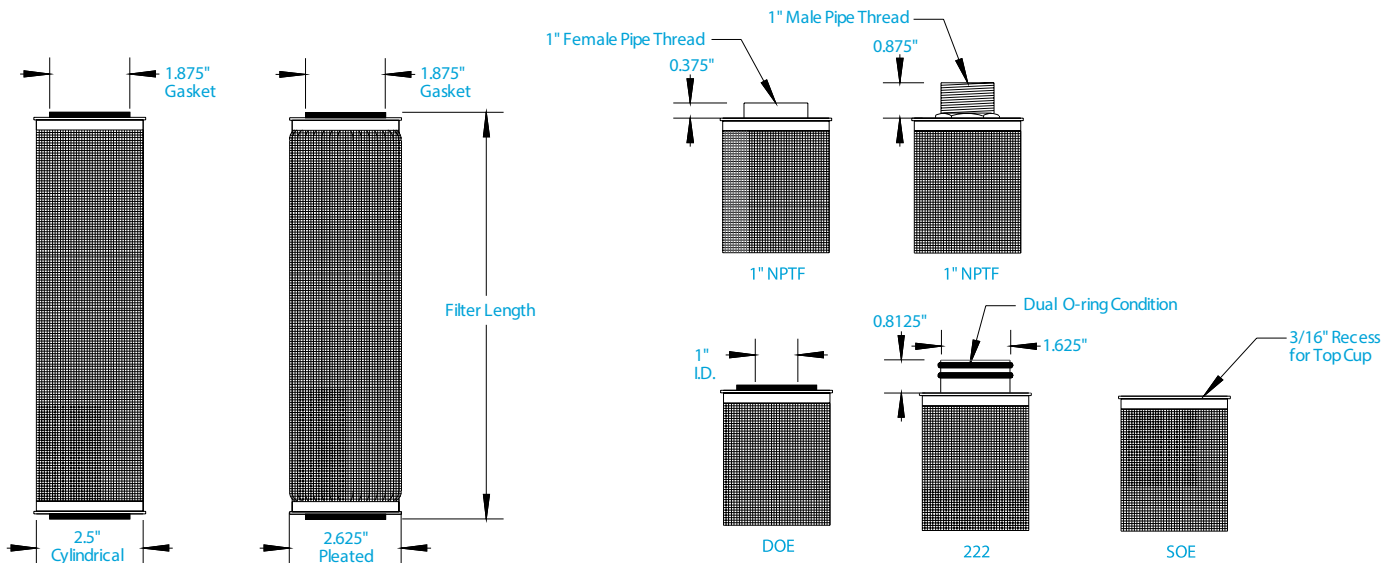
Filter Media	304 or 316 Stainless Steel
Max. Temp. Rating	500°F [260°C]
Max. Differential Pressure	60 PSID (4.1 bar)
Max OD	Pleated: 2.63" (67 mm) Cylindrical: 2.5" (64 mm) Pleated with Pleat Protector: 2.75" (70 mm)

Passivation available for an extra charge. Please contact customer service.

CASE QUANTITY

All sizes: 1 per case

CARTRIDGE/END DIAGRAMS



ORDERING INFORMATION

To create your ordering part number, use the part number configurator below.
Custom configurations available. Please contact customer service.

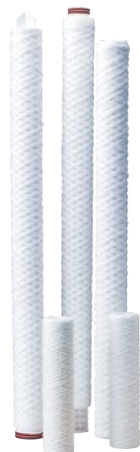
EXAMPLE: SF10-10BP444S2BP

Steelex Filter Cartridge (SF)
10-micron rating (10), 10" length (10), Standard diameter (B), Pleated (P), 304 Stainless Steel (4)
304 Stainless Steel core (4), 304 Stainless Steel endcaps (4), 222 Flat endcap (S2), Buna-N seal (B), Pleat protector (P)

STEELFLEX		μ		LENGTH (IN.)	DIAMETER (IN.)	CONSTRUCTION	ELEMENT MATERIAL	CORE MATERIAL	ENDCAP MATERIAL	ENDCAP STYLE	SEAL MATERIAL	PLEAT PROTECTOR
SF		5	190	9.75	B = Standard	P = Pleated C = Cylindrical	4 = 304 SS 6 = 316 SS	4 = 304 SS 6 = 316 SS	4 = 304 SS 6 = 316 SS	D = DOE S = SOE S2 = 222 Flat S6 = 226 Flat 1M = 1" male thread 1F = 1" female thread	B = Buna-N V = FKM T = PTFE	P = Pleat protector Blank = None
		10	230	10								
		20	180	19.5								
		40	370	20								
		75	540	29.5								
		80	840	30								
		100		40								
		120										
		150										

STRINGFLEX SERIES

WOUND DEPTH CARTRIDGES



Stringflex Series Wound Depth Cartridges are effective for a wide range of demanding low to high-temperature commercial and industrial applications. Available in a wide variety of filter media and core materials, Stringflex Cartridges provide high performance filtration and long life with minimal fiber migration.

Stringflex Cartridges are manufactured using precise winding techniques to create a diamond pattern that traps particulates and maintains uniform micron retention throughout the length of the cartridge. This unique construction delivers true depth filtration with optimal cartridge life while minimizing downtime for equipment repair or replacement.

Choose the micron rating, media and core material that suits your applications. Various O-rings, lengths and endcap options are available.

FEATURES/BENEFITS

Suitable for low to high temperature applications
Excellent particulate reduction with true depth filtration
Extended cartridge life maximizes profitability
Minimal fiber migration
Available in natural, bleached or FDA-listed cotton, polypropylene and fiberglass cord materials

Bleached cotton cartridges are manufactured with FDA-listed materials
Choice of core material, O-rings, lengths and endcaps
2.5" (64 mm) diameter

APPLICATIONS

Commercial
General Industrial
High Corrosion

High Pressure
High Temperature
Hydraulic

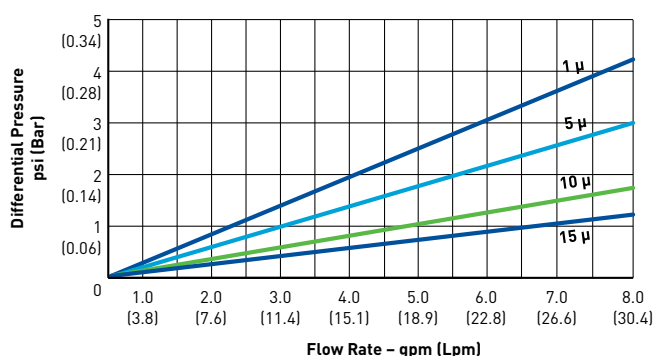
	MAXIMUM TEMPERATURE	APPLICATIONS
FIBER MEDIA		
Natural cotton	300°F (149°C)	Organic solvents, water, dilute acids, petroleum oils and other solvents
Bleached cotton (FDA)	300°F (149°C)	Same applications as natural cotton and also potable liquids, vegetable oils and beverages
Fiberglass	750°F (400°C)	Organic acids, organic solvents, petroleum oils, mineral acids, and other corrosive or high temperature
Polypropylene	180°F (82°C)	Filtration of organic acids, alkalies, solvents and many other chemicals. Very effective in low viscosity solutions.
CORE		
Tinned steel	400°F (204°C)	General purpose applications
Polypropylene	180°F (82°C)	Lower temperature applications of corrosive fluids and gases; easily incinerated to trace of ash
304 Stainless steel	750°F (400°C)	High temperature diluted acids and moderately corrosive fluids

INDUSTRIAL

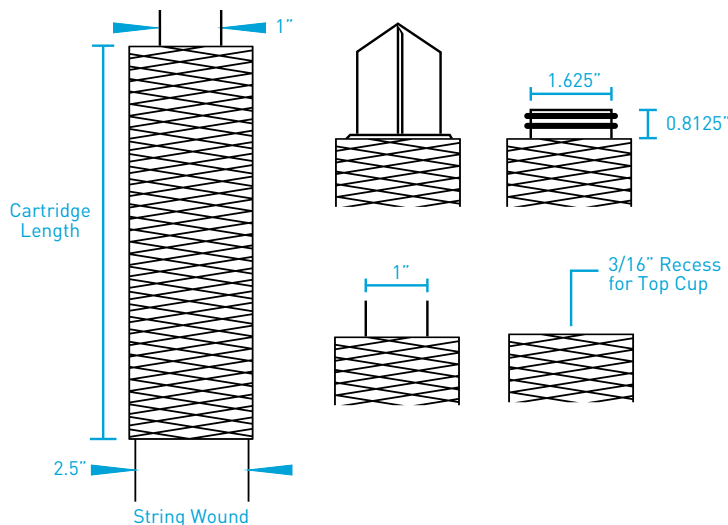
CARTRIDGE SPECIFICATIONS

Recommended Change-Out	25 PSID (1.7 bar)
Internal OD:	1" (25 mm) nominal
Outer OD:	2.5" (64 mm) nominal
Max. Differential Pressure at Ambient Temp.	60 psi (4.1 bar)

PRESSURE DROP VS FLOW RATE



CARTRIDGE DIAGRAMS



CASE QUANTITY

SIZE	CASE QUANTITY
10"	30
20"-50"	15

ORDERING INFORMATION

To create your ordering part number, use the part number configurator below.
Custom configurations available. Please contact customer service.

EXAMPLE: UF20-20BTPS2B

Stringflex Filter Cartridge (UF)
20-micron rating (20), 20" length (20), 2.5" diameter (B), Polypropylene cord (P)
Tinned steel core (T), Polypropylene endcap (P), 222 Flat (S2), Buna-N seal (B)

STRINGFLEX	μ	LENGTH (IN.)	DIAMETER (IN.)	CORD MATERIAL	CORE MATERIAL	ENDCAP MATERIAL	ENDCAP STYLE	SEAL MATERIAL
UF	0.5*	30	9.75	B = 2.5	P = Polypropylene	P = Polypropylene	D = DOE	B = Buna-N
	1	50	10		C = Natural Cotton	T = Tinned Steel	S2 = 222 Flat	S = Silicone
	3	75	20		B = Bleached Cotton	SS = Stainless Steel	F2 = 222 Fin	E = EPDM
	5	100	30		FDA		S6 = 226 Flat	V = FKM
	10	150	40		F = Fiberglass		F6 = 226 Fin	X = None
	20	200	50				S4 = Polypropylene Core Extender	
	25	250						
	400							

*Not intended for the removal of microbial pests including virus, bacteria and cysts.

INDUSTRIAL TRIFLEX SERIES

BETA 5000/ABSOLUTE-RATED & NOMINAL RATED MICROFIBERGLASS CARTRIDGES



Premium quality Triflex Series Microfiberglass Filter Cartridges deliver high-purity beta 5000 rated or nominal rated filtration using proprietary technology. These cartridges are ideal for a wide variety of applications that require high-performance filtration with low pressure drops.

Triflex Series Cartridges feature optimized construction for true depth loading. This allows for superior dirt holding capacity, high flow rates and long cartridge life.

FEATURES/BENEFITS

- Proprietary high-efficiency glass microfiber media
- True-gradient density matrix with tapered pore structure
- Reduced change-out frequency
- High dirt-holding capacity
- Captures gels and amorphous contaminants from a fluid stream
- High flow rates
- Encapsulated endcap and gasket design
- 2.5" (64 mm) diameter

APPLICATIONS

- | | |
|-----------------|---------------------------|
| Chemicals | Magnetic Media |
| Cosmetics | Oil and Gas |
| Electronics | Pharmaceutical |
| Food & Beverage | Photographic |
| Gases | Pre-filter for RO systems |

INDUSTRIAL

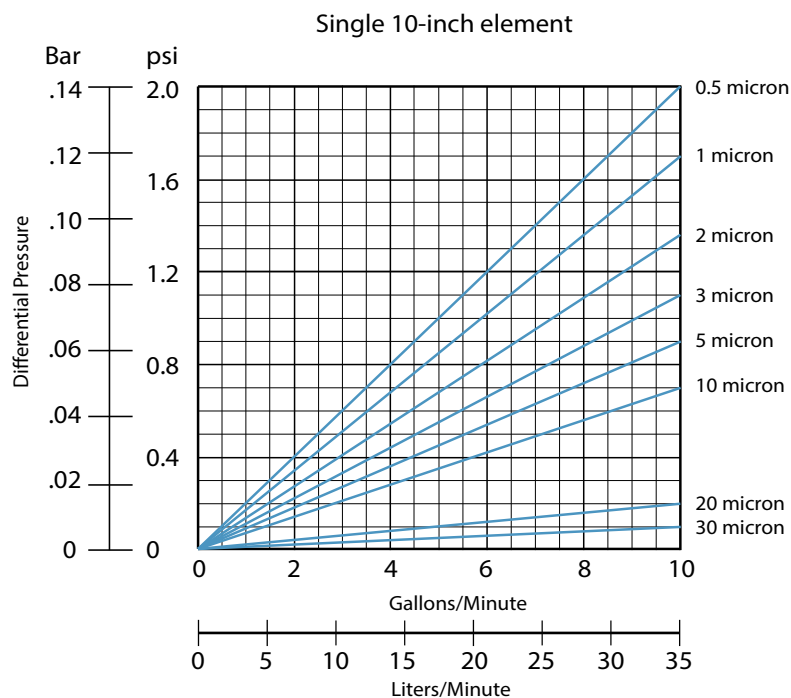
SPECIFICATIONS

Filter Media	Proprietary Microfiberglass
Endcaps	Polypropylene
Max. Temp. Rating	180°F (82.2°C)
Max. Differential Pressure	75 PSID

CASE QUANTITY

12 per case

PRESSURE DROP VS FLOW RATE

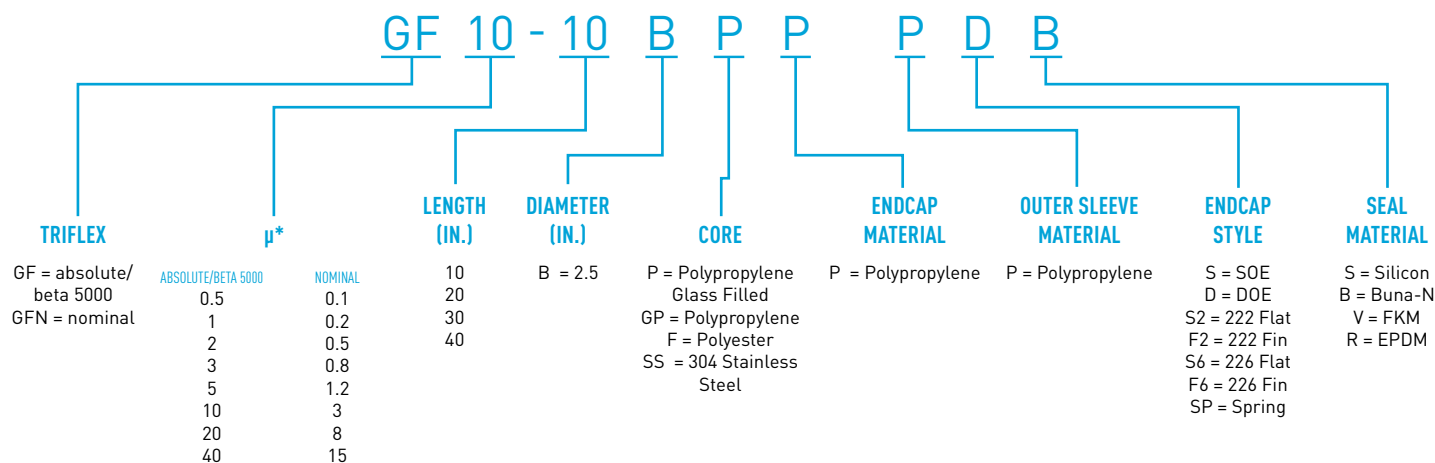


ORDERING INFORMATION

To create your ordering part number, use the part number configurator below.
Custom configurations available. Please contact customer service.

EXAMPLE: GF10-10BPPPDB

Triflex Series absolute/beta 5000 cartridge
10-micron rating (10), 10" length (10), 2.5" diameter (B), Polypropylene core (P), Polypropylene endcap (P), Polypropylene outer sleeve (P), Double-open-ended (D), Buna-N seal (B)



* Not intended for the removal of microbial pests including virus, bacteria and cysts.

TEFLEX SERIES

BETA 5000/ABSOLUTE-RATED PTFE MEMBRANE CARTRIDGES



The Teflex Absolute-rated PTFE Membrane Cartridges provide an economical solution where PTFE membrane cartridges are desired. Teflex cartridges combine polypropylene with polytetrafluoro-ethylene for electronics, food and beverage, and general purpose applications. The endcaps, center cores and outer support cages are constructed of polypropylene for increased durability.

FEATURES/BENEFITS

PTFE membrane for full particle retention
 Reduces particles as small as 0.1 micron in size by mechanical means*
 Efficiency rating exceeds 99.98% (beta 5000)
 Polypropylene center core and outer support cage for increased durability
 Available in 10", 20", 30" and 40" (254, 508, 762, 1,016 mm) lengths with a nominal outside diameter of 2.70" (69 mm)

Manufactured from FDA-listed materials
 Meets USP Class IV biological test for plastics
 Multiple endcap configurations and O-ring materials available

* Not intended for the removal of microbial pests including virus, bacteria and cysts.

APPLICATIONS

Chemicals
 Deionized Water Systems
 Electronics
 Food & Beverage
 General Use Water
 Industrial
 Post-filter RO Systems

INDUSTRIAL

CARTRIDGE SPECIFICATIONS

Filter Media	Polypropylene/ Polytetrafluoroethylene
Supports	Polypropylene
Max. Temp. Rating	176°F (80°C)
Max. Differential Pressure	50 PSID (3.4 bar) forward 40 PSID (2.8 bar) reverse

LIQUID FLOW SPECIFICATIONS

RATING (μ)	DI WATER FLOW
0.1	1.25 GPM (4.7 Lpm)
0.2	2.8 GPM (10.6 Lpm)
0.45	5.7 GPM (21.5 Lpm)

CASE QUANTITY

All sizes: 6 per case

STERILIZATION

Hot Water	176°F (80°C) 30 minutes
Steam Sterilization	250°F (121°C) multiple cycles

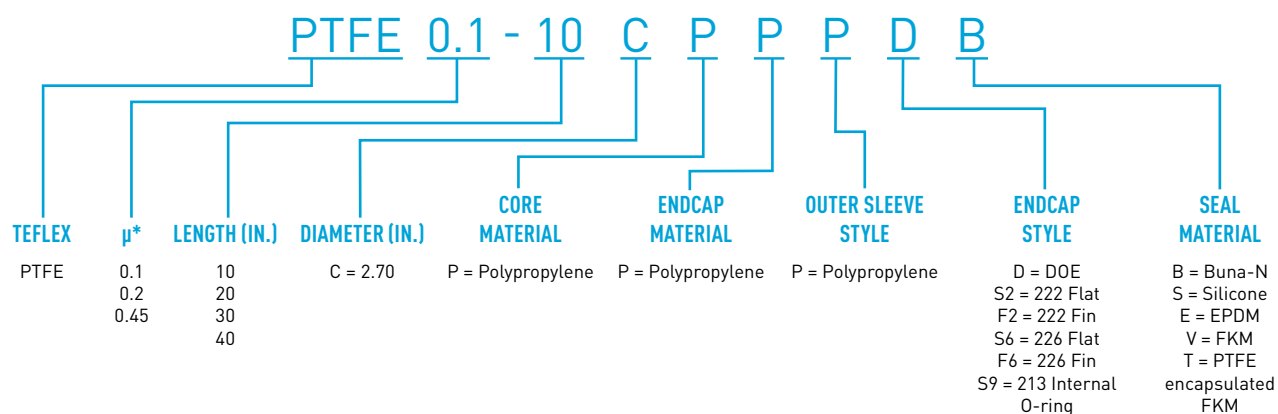
Stainless steel insert required for cartridges that will be sterilized/sanitized with steam or hot water.

ORDERING INFORMATION

To create your ordering part number, use the part number configurator below.
Custom configurations available. Please contact customer service.

EXAMPLE: PTFE0.1-10CPPPDB

Teflex Absolute PTFE Membrane Filter Cartridge (PTFE)
0.1-absolute micron rating (0.1), 10" length (10), 2.70" diameter (C), Polypropylene core (P)
Polypropylene endcaps (P), Polypropylene outer sleeve (P), Double-open-ended (D), Buna-N seal (B)



*absolute/ beta 5000

*Not intended for the removal of microbial pests including virus, bacteria and cysts.

VERSAFLEX SERIES

GRADIENT DENSITY CARTRIDGES



The Versaflex Gradient Density design combines selective final filtration with appropriate pre-filtration to achieve up to three times the dirt-holding capacity of similar size sediment cartridges and even greater capacity than standard spun-bonded cartridges. The larger diameter of the filter reduces particle load, allowing it to operate at higher velocities. This increased depth provides for very high particulate removal efficiencies and increased loading capacity.

Versaflex Gradient Density Cartridges are sized for use in Big Blue filter housings and will not impart taste, odor or color to the liquid being filtered. Additionally, 100% pure polypropylene construction provides superior chemical resistance and is not prone to bacterial attack.

FEATURES/BENEFITS

Up to three times the dirt-holding capacity of similarly sized sediment cartridges	Manufactured from pure 100% polypropylene
Melt blow gradient density from outer to inner surfaces	4.5" diameter
Greater capacity than standard spun-bonded cartridges	Manufactured from FDA-listed materials
Increased effective filter depth of 233%	Meets USP Class IV biological test for plastics
Designed for purity and chemical compatibility	

APPLICATIONS

Commercial	Paints
Dyes	Pharmaceutical
Food and beverage	Plating Solutions
Inks	Water
Medical	
Municipal	
Oils	

INDUSTRIAL

CARTRIDGE SPECIFICATIONS

Filter Media	Polypropylene
Temp. Rating	40-160°F (4.4-71.1°C)
Max. Differential Pressure	30 PSIG (2.1 bar) dirty
Recommended Change Out	10-15 PSIG (0.7-1.0 bar)

CASE QUANTITY

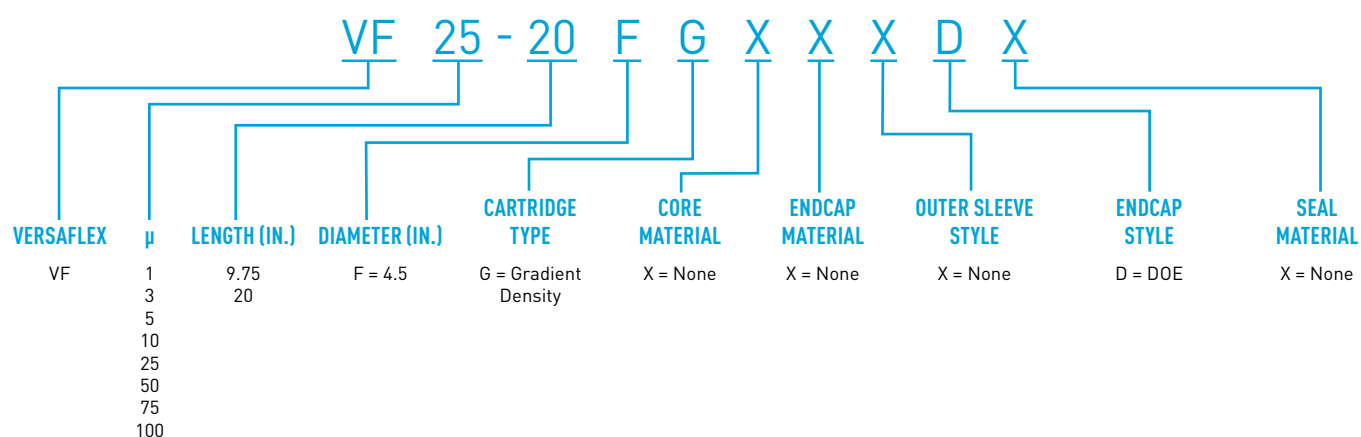
10": 24 per case
20": 12 per case

ORDERING INFORMATION

To create your ordering part number, use the part number configurator below.
Custom configurations available. Please contact customer service.

EXAMPLE: VF25-20FGXXXDX

Versaflex Filter Cartridge (VF)
25-micron rating (25), 20" length (20), 4.5" diameter (F), Gradient density cartridge (G)
No core (X), No endcaps (X), No outer sleeve (X), Double-open-ended (D), No seal (X)



VERSAFLEX HE SERIES

HIGH EFFICIENCY MELTBLOWN CARTRIDGES



Versaflex High Efficiency Meltblown Cartridges assure maximum process compatibility due to their thermally-bonded, glue-free design. Their graded density matrix traps and holds dirt within, providing longer life and better flow rates than standard cartridges.

These filter cartridges are 100% polypropylene and manufactured with FDA-listed materials using a thermal-bonding process that seals the meltblown media to the endcaps to assure a bypass-free cartridge.

Versaflex High Efficiency Meltblown Cartridges have been performance tested to assure you of a quality product. They deliver high dirt-loading capabilities, with superior performance over spun-bonded and stringwound cartridges.

FEATURES/BENEFITS

Absolute rated 99% efficiency at stated micron size	No surfactants, binders or adhesives used in production
Chemically compatible in most applications	Manufactured with FDA-listed materials
High dirt-loading capacity	Meets USP Class IV biological test for plastics
Longer life than spun-bonded and stringwound cartridges	Several lengths and endcap configurations
Low pressure drop	Eight micron ratings
100% polypropylene cartridge	Micron rating stamped onto cartridge for easy identification
Rigid, polypropylene center core	Safe, easy incineration and disposal
Variety of O-rings available	

APPLICATIONS

- Finish machining
- Food and beverage
- Oils
- Parts washers
- Pre-filter for RO systems
- Seal protection
- Solvents
- Spray nozzle protection

Custom configurations available. Please contact customer service.

INDUSTRIAL

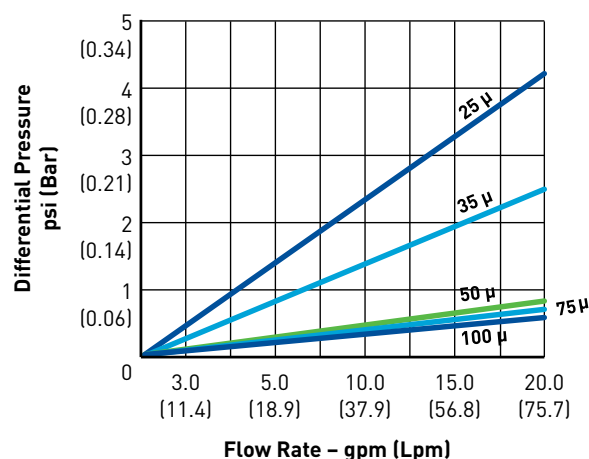
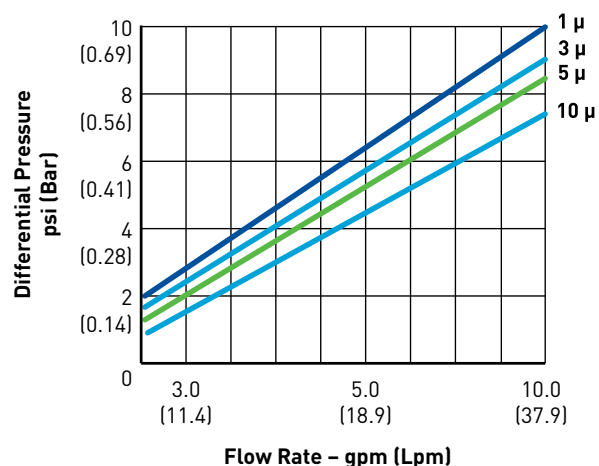
CARTRIDGE SPECIFICATIONS

Filter Media	Polypropylene
Max. Temp. Rating	160°F (71.1°C)
Max. Differential Pressure	30 PSIG (2.1 bar) dirty
Recommended Change Out	10-15 PSIG (0.7-1.0 bar)

CASE QUANTITY

10": 30 per case
 20-40": 15 per case
 All with endcaps: 15 per case

PRESSURE DROP VS FLOW RATE

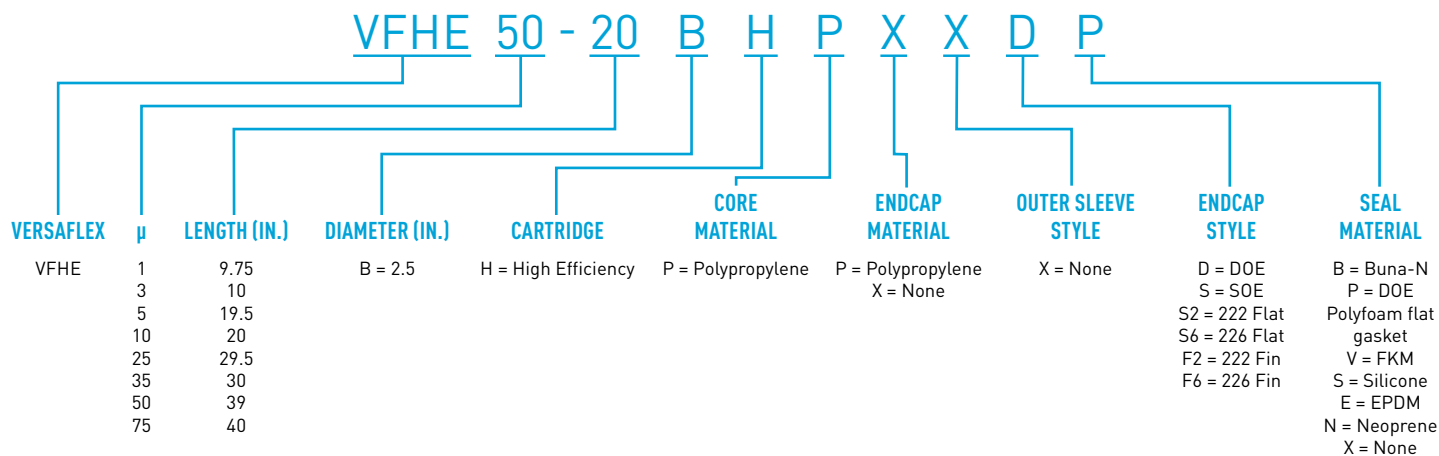


ORDERING INFORMATION

To create your ordering part number, use the part number configurator below.
 Custom configurations available. Please contact customer service.

EXAMPLE: VFHE50-20BHPXXDP

Versaflex Filter Cartridge (VFHE)
 50-absolute micron rating (50), 20" length (20), 2.5" diameter (B), High efficiency cartridge (H)
 Polypropylene core (P), No endcaps (X), No outer sleeve (X), Double-open-ended (D), DOE Polyfoam flat gasket (P)



VERSAFLEX SERIES

MELTBLOWN POLYPROPYLENE CARTRIDGES



Versaflex Meltblown Polypropylene Filter Cartridges are 100% polypropylene and manufactured with FDA-listed materials using a thermal-bonding process that seals the meltblown media to the endcaps to assure a bypass-free cartridge. These cartridges have been performance tested to assure you of a quality product. They deliver high dirt-loading capabilities, with superior performance over spun-bonded and stringwound cartridges.

Versaflex Meltblown Polypropylene Filter Cartridges assure maximum process compatibility due to their thermally-bonded, glue-free design. Their graded density matrix traps and holds dirt within, providing longer life and better flow rates than standard cartridges.

FEATURES/BENEFITS

Nominal efficiency rating	Manufactured with FDA-listed materials
Chemically compatible in most applications	Meets USP Class IV biological test for plastics
High dirt-loading capacity	Available in lengths from 9.75" to 40"
Longer life than spun-bonded and stringwound cartridges	Various end cap configurations available to fit existing cartridge housings
Low pressure drop	Micron ratings stamped on cartridge for easy identification
100% polypropylene	Variety of O-rings available
No surfactants, binders or adhesives used in production	Safe, easy incineration and disposal

APPLICATIONS

Finish machining
 Food and beverage
 Oils
 Parts washers
 Pre-filter for RO systems
 Seal protection
 Solvents
 Spray nozzle protection

INDUSTRIAL

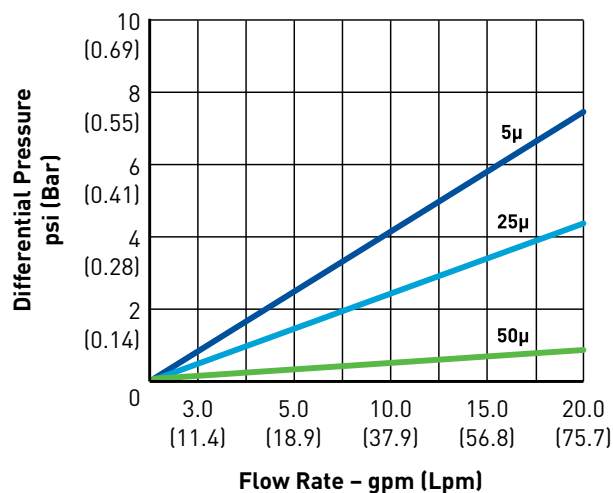
CARTRIDGE SPECIFICATIONS

Filter Media	Polypropylene
Max. Temp. Rating	160°F (71.1°C)
Max. Differential Pressure	30 PSIG (2.1 bar) dirty
Recommended Change Out	10-15 PSIG (0.7-1.0 bar)

CASE QUANTITY

10": 30 per case
 20-40": 15 per case
 All with endcaps: 15 per case

PRESSURE DROP VS FLOW RATE

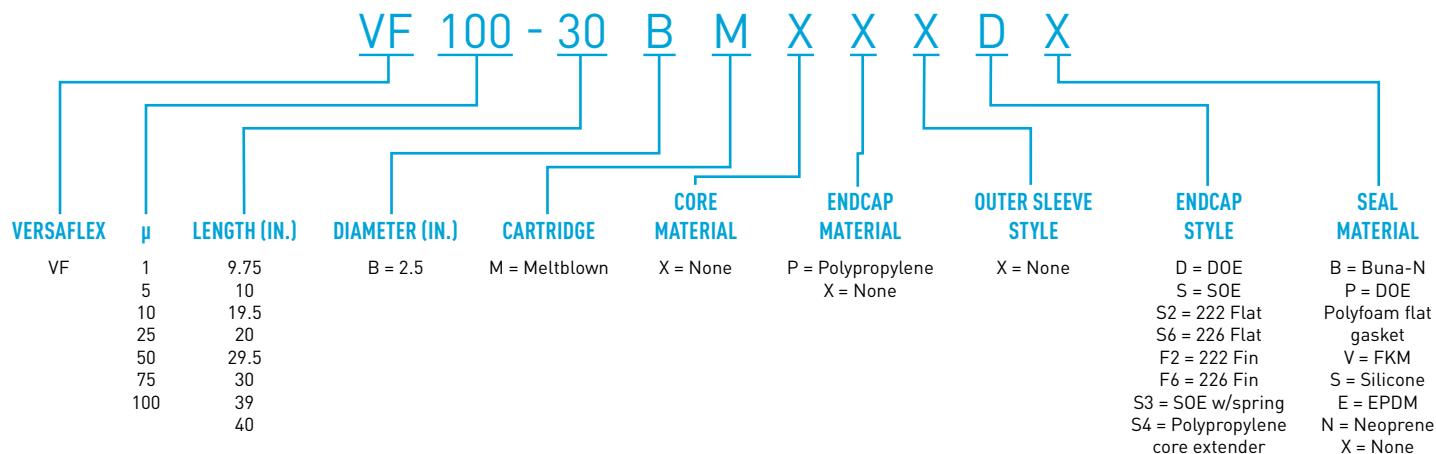


ORDERING INFORMATION

To create your ordering part number, use the part number configurator below.
 Custom configurations available. Please contact customer service.

EXAMPLE: VF100-30BMXXXDX

Versaflex Filter Cartridge (VF)
 100-micron rating (100), 30" length (30), 2.5" diameter (B), Meltblown cartridge (M)
 No core (X), No endcaps (X), No outer sleeve (X), Double-open-ended (D), No seal (X)





INDUSTRIAL FILTER BAGS

WATER QUALITY SYSTEMS |

INDUSTRIAL

LIQUID FILTER BAGS



Pentair Industrial Liquid Filter Bags offer economical filtration for a wide array of applications. Highly controlled manufacturing procedures ensure consistent quality and no contamination. The unique bag designs provide added strength and avoid risk of bypass. Our filter bags fit all industry-standard bag housings.

FEATURES/BENEFITS

- Available medias range from 1-1500 μ
- Wide array of silicone-free media fibers to meet needed temperature and micron specifications
- Multi-layered filtering capabilities for higher dirt-holding capacities and fewer change-outs
- Bag finish or covers available for strict migration requirements
- Heavy-duty handle for easy installation and removal
- OEM replacement ring styles
- Customized and specialty bags available



BAG SPECIFICATIONS

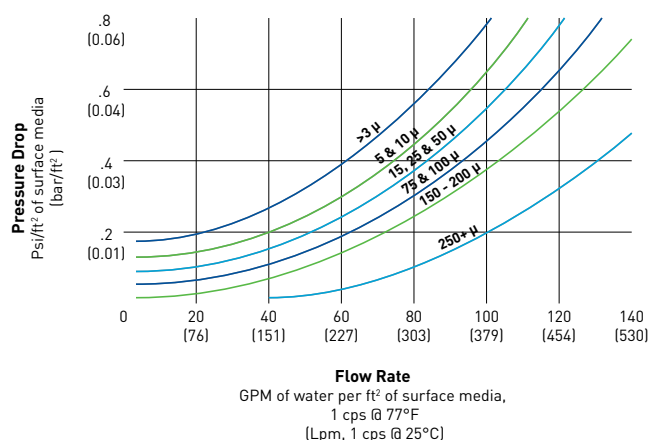
PENTAIR HOUSING MODEL	BAG SIZE	LENGTH		DIAMETER		SURFACE AREA	
		IN	MM	IN	MM	FT ²	M ²
44-6	#3	8	203	4.12	105	.5	0.05
44-12	#4	14	356	4.12	105	1.0	0.09
66-12	#7	15	381	5.62	143	1.3	0.12
66-18	#8	21	533	5.62	143	2.0	0.19
66-30	#9	32	813	5.62	143	3.4	0.31
88-15	#1	16.5	419	7.06	179	2.0	0.19
88-15	#1 inner	14.5	368	5.75	146	1.6	0.15
88-30	#2	32	813	7.06	179	4.4	0.41
88-30	#2 inner	30	762	5.75	146	3.6	0.33
M88-30(OEM)	#12	30	762	8.25	203	5.5	0.51
Multi-Rounds	#2	32	813	7.06	179	4.4	0.41

INDUSTRIAL

PRESSURE DROP VS FLOW RATE

The following data is based on 1ft² (0.09 m²) of filtration media.

Divide the flow rate by the area of the bag (ft²) to determine the flow rate at a given pressure drop.



CORRECTION CHART

The following chart is based on 1 centipoise. (CPS)

If your liquid is greater than 1 CPS:

1. Select your liquid's viscosity

2. Determine your correction factor

EX: If your liquid's viscosity is 100,
your correction factor is 8.3

3. Multiply the Bag Selection Guide (left) by your correction factor

VISCOSITY (CPS)	CORRECTION FACTOR
50	4.5
100	8.3
200	16.6
400	27.7
800	50.0
1000	56.2
2000	113.6
4000	161.0
6000	250.0
8000	325.0

MICRON (µ) RATINGS AVAILABLE

FIBER	MICRON RATING																		TEMP	
	1	5	10	15	25	50	75	100	125	150	175	200	250	300	400	600	800	1000		1500
Felt, nomex		•	•		•	•		•												450°F (232.2°C)
Felt, polyester	•	•	•	•	•	•	•	•				•								250°F (121.1°C)
Felt, polypropylene	•	•	•		•	•		•												200°F (93.3°C)
Monofilament mesh, nylon		•			•	•	•	•		•	•	•	•	•	•	•	•			250°F (121.1°C)
Monofilament mesh, polypropylene													•	•	•	•	•			200°F (93.3°C)
Multifilament mesh, polyester								•	•	•		•	•	•	•		•			250°F (121.1°C)
Oil removal					•															200°F (93.3°C)

INDUSTRIAL

LIQUID FILTER BAGS

ORDERING INFORMATION

To create your ordering part number, use the code abbreviation tables below in conjunction with the part number configurator (next page). *Custom configurations available. Please contact customer service.*

MEDIA		
CODE	DESCRIPTION	AVAILABLE μ
HT	Felt, nomex (nylon)	5, 10, 25, 50, 100
KE	Felt, polyester	1, 5, 10, 25, 50, 75, 100, 200
KEM	Multifilament mesh - polyester	100, 125, 150, 200, 250, 300, 400, 800, 1000, 1500
KES	Felt, polyester, S (fully stitched bag)	1, 5, 10, 15, 25, 50, 75, 100, 200
KEW	Felt, polyester, W (fully welded bag)	1, 5, 10, 15, 25, 50, 75, 100, 200
KO	Felt, polypropylene	1, 5, 10, 25, 50, 100, 200
KOMO	Monofilament mesh, polypropylene	250, 300, 400, 600, 800
KOS	Felt, polypropylene, S (fully stitched bag)	1, 5, 10, 25, 50, 100, 200
KOW	Felt, polypropylene, W (fully welded bag)	1, 5, 10, 25, 50, 100, 200
NMO	Monofilament mesh - nylon	5, 25, 50, 75, 100, 150, 175, 200, 250, 300, 400, 600, 800
OR	Oil removal material	25

SIZE			
CODE	PENTAIR HOUSING MODEL	DESCRIPTION	(DIA. x LENGTH)
1	88-15	Standard #1	7 1/16" x 16 1/2"
2	88-30	Standard #2	7 1/16" x 32"
3	44-6	Standard #3	4 1/8" x 8"
4	44-12	Standard #4	4 1/8" x 14"
7	66-12	Standard #7	5 5/8" x 15"
8	66-18	Standard #8	5 5/8" x 21"
9	66-30	Standard #9	5 5/8" x 32"
12	M88-30(OEM)	Standard #12	8" x 32"
RK1	-	Ronningen-Petter Fabric Basket #1	8" x 30"
RK2	-	Ronningen-Petter Fabric Basket #2	8" x 40"
C01	-	Commercial Filters #1	7 5/16" x 17"
C02	-	Commercial Filters #2	7 5/16" x 33"

FINISH (FELT ONLY)	
CODE	DESCRIPTION
K	GLAZED
NG	NO GLAZE (UNGLAZED)
C	SPUNBONDED NYLON COVER
HE	HIGH EFFICIENCY (SIZES #1, #2, #3, & #4 ONLY)
KEM	POLYESTER MULTIFILAMENT MESH COVER, 150 μ
NMO	NYLON MONOFILAMENT MESH COVER, 150 μ
R	SPUNBONDED POLYESTER COVER

RING	
CODE	DESCRIPTION
DS	Draw string
K	FSI style flanged plastic top
KE	FSI style flanged polyester ring (sizes #1 & #2 only)
KO	Polypropylene (not available for sizes #7, #8, #9, & #12)
RT	Raw top
S	Carbon steel
SS	Stainless steel

OPTIONS	
CODE	DESCRIPTION
A	Automotive - bottom and side seams turned to the inside prior to attaching support ring.
DH	Double handle
NH	No handle

INDUSTRIAL

ORDERING INFORMATION

To create your ordering part number, use the part number configurator below.
Custom configurations available. Please contact customer service.

SINGLE BAG EXAMPLE: KE10K2SA

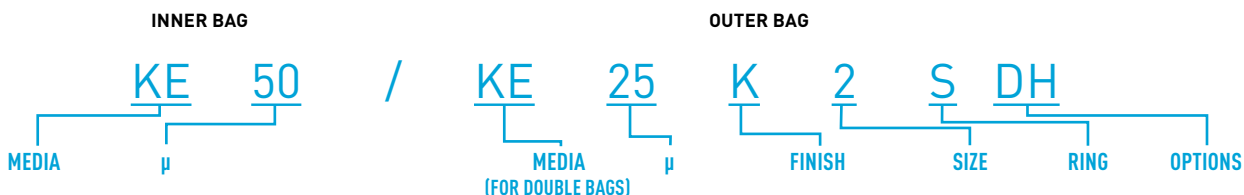
Polyester felt bag (KE), 10-micron rating (10), Glazed finish (K),
Standard #2 size (2), Carbon steel ring (S), Automotive (A)



DOUBLE BAG EXAMPLE: KE50/KE25K2SDH

Inner Bag: Polyester felt (KE), 50-micron rating (10)

Outer Bag: Polyester felt (KE), 25-micron rating (25), Glazed finish (K),
Standard #2 size (2), Carbon steel ring (S), Double handle (DH)



BAG WITH COVER EXAMPLE: KE50/KEMK2K

Polyester felt bag (KE), 50-micron rating (50), with a 150 micron KEM cover (KEM),
Glazed finish (K), Standard #2 size (2), FSI Style flanged plastic top (K)



BP, BPHE, & BN SERIES FILTER BAGS



BP, BPHE & BN Series Filter Bags feature a thermally-welded, unique design that results in consistent filtration efficiencies. They are designed to fit the BPHE-410 and BPHE-420 Housings. Higher productivity can be achieved with faster bag change-outs. The semi-rigid cylindrical design is easily crushed and incinerated.

FEATURES/BENEFITS

BP Series (Polypropylene Felt)

Filtration ratings from 1 to 200 microns to comply with any filtration requirement
Manufactured from felt due to its high solids loading capabilities versus similar mesh fabrics

A glazed finish, created by melting the outermost surface fibers, is used to produce a bond that reduces the possibility of migration

BPHE Series (High-Efficiency)

For those critical applications when high-efficiency combined with high dirt-holding capacity is required

Polypropylene materials are processed into microfibers with diameters of 1 to 10 microns or more, then converted into filter material

Microfiber media is covered with spun-bonded polypropylene

BN Series (Strainer)

Woven monofilament materials are offered in nylon with micron ratings of 50 to 800

Efficiencies from 75 to 95%

Materials are cleanable and reusable

APPLICATIONS

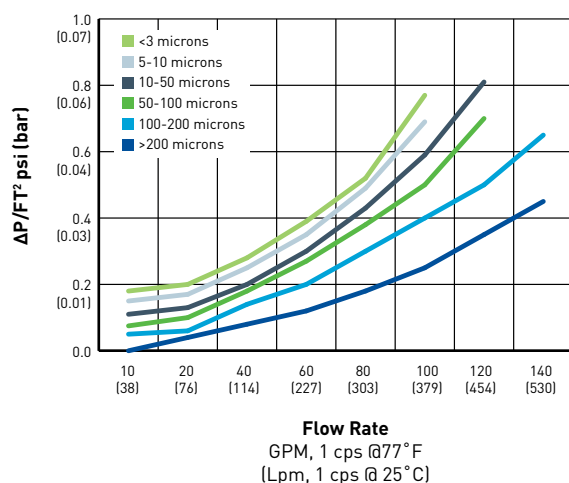
Acids
Alkalies
Corrosive Fluids
Micro-organisms
Oils
Organic Solvents

BAG SPECIFICATIONS & PERFORMANCE

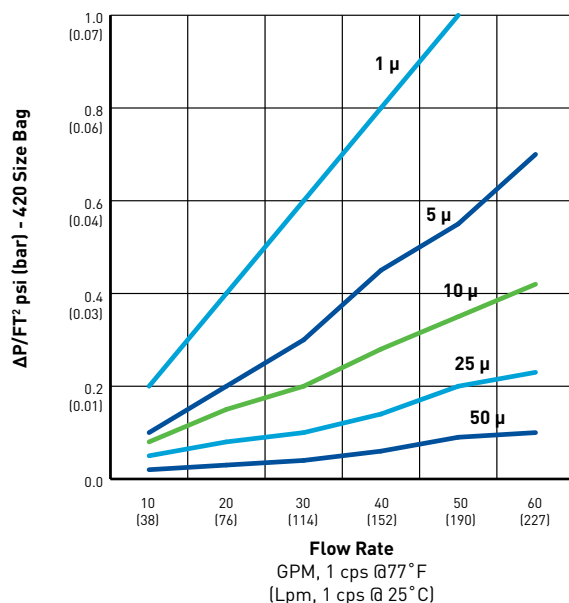
MODEL	DIMENSIONS	FILTER MEDIA	μ	CASE QTY.	MAX. TEMP.
BP-410	4" x 8.625" (102 mm x 218 mm)	Glazed polypropylene felt	1, 5, 10, 25, 50, 100, 200	20	200°F (93.3°C)
BP-420	4" x 18" (102 mm x 457 mm)	Glazed polypropylene felt	1, 5, 10, 25, 50, 100, 200	20	
BPHE-410	4" x 8.625" (102 mm x 218 mm)	Polypropylene microfibers with spun-bonded polypropylene covers	1, 5, 10, 25, 50, 75, 100	20	
BPHE-420	4" x 18" (102 mm x 457 mm)	Polypropylene microfibers with spun-bonded polypropylene covers	1, 5, 10, 25, 50, 75, 100	20	
BN-410	4" x 8.625" (102 mm x 218 mm)	Nylon monofilament mesh	50, 100, 150, 200, 250, 300, 400, 600, 800	20	
BN-420	4" x 18" (102 mm x 457 mm)	Nylon monofilament mesh	50, 100, 150, 200, 250, 300, 400, 600, 800	20	

PRESSURE DROP VS FLOW RATE

Polypropylene Felt Bags



High Efficiency Bags



CORRECTION CHART

The following chart is based on 1 centipoise. (CPS)

If your liquid is greater than 1 CPS:

1. Select your liquid's viscosity
2. Determine your correction factor

EX: If your liquid's viscosity is 100,
your correction factor is 8.3

3. Multiply the Bag Selection Guide (left) by your correction factor

VISCOSITY (CPS)	CORRECTION FACTOR
50	4.5
100	8.3
200	16.6
400	27.7
800	50.0
1,000	56.2
1,500	77.2
2,000	113.6
4,000	161.0
6,000	250.0
8,000	325.0
10,000	430.0

WARNING: For drinking water applications, do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

NOTE: This information is for general guidance. Users should test bag materials with media involved to determine compatibility.

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

MHP SERIES

MAXIMUM HIGH PERFORMANCE LIQUID FILTER BAGS



MHP Series Filter Bags have been tested under true filtering conditions to perform in the most demanding applications. If you need a maximum performance bag, the MHP Series offers you 96% to 99% efficiency at 2 to 35 microns or greater, depending on model.

FEATURES/BENEFITS

Multi-layer graded density depth filtration	Fiber-free cover
42 ft ² [3.9 m ²] of filtration media	Silicone-free
Maximum dirt-loading and efficiency rating	Heavy-duty Stainless Steel ring
Independent lab tested	Low initial pressure drop
Fits into any standard size metal ring #2-size housing	Packaged two per carton
Polypropylene media construction	

APPLICATIONS

Commercial process fluids
Industrial process fluids

AVERAGE PERCENT EFFICIENCY RATING

PART NUMBER	MICRON SIZE													
	.5 - 1	1 - 1.5	1.5 - 2	2 - 3	3 - 4	5 - 6	6 - 8	8 - 10	10 - 12	12 - 15	15 - 20	20 - 25	25 - 35	35+
MHP2.5ML2SS	80.2%	93.4%	95.7%	96.3%	97.2%									
MHP08ML2SS						99.7%	99.8%	99.9%	99.9%>	99.9%>	99.9%>			
MHP15ML2SS							55.75%	76.3%	90.65%		99.0%>	99.0%>	99.0%>	
MHP35ML2SS									94.4%	95.4%	98.5%	99.8%>	99.0%>	99.0%>

MEDIA SPECIFICATIONS

PART NUMBER	MATERIAL	MAXIMUM TEMPERATURE	FLOW RATE	INITIAL PSID	MAXIMUM PSID	SUGGESTED CHANGE	SIZE
MHP2.5ML2SS	Polypropylene	190° F (88° C)	2.5 gpm (10 Lpm)	0.6 (0.04 bar)	30 (1.4 bar)	20 PSID (1.4 bar)	7.125" x 32" (181 x 813 mm) Standard Trade Size #2
MHP08ML2SS			25 gpm (95 Lpm)	1.5 (0.10 bar)	45 (1.7 bar)	25 PSID (1.7 bar)	
MHP15ML2SS				1.8 (0.12 bar)			
MHP35ML2SS				1.2 (0.08 bar)			

INDUSTRIAL

TEST DATA

Micron Efficiency Rating/ASTM F795-88

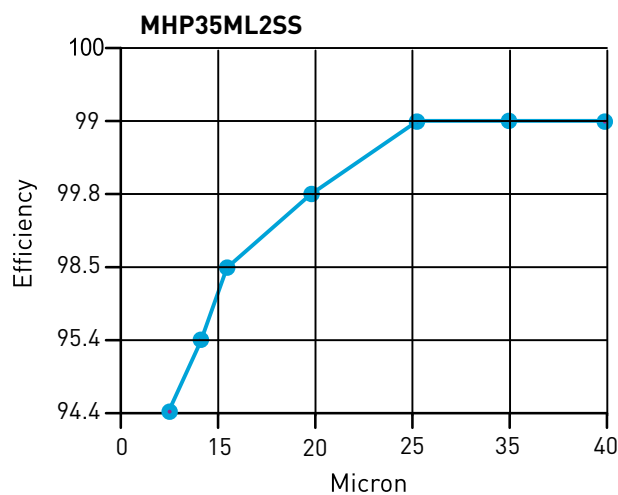
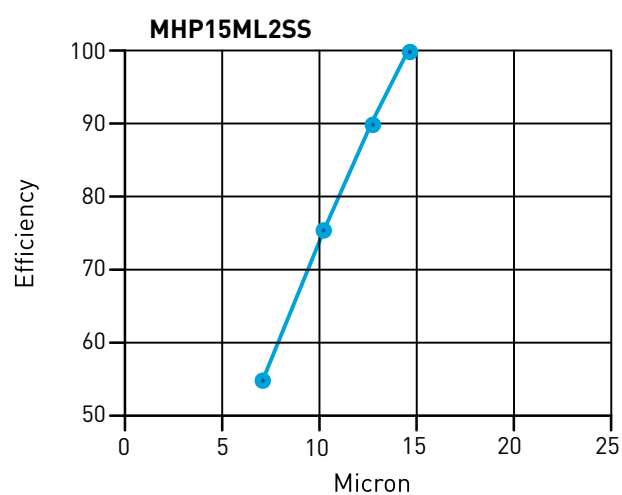
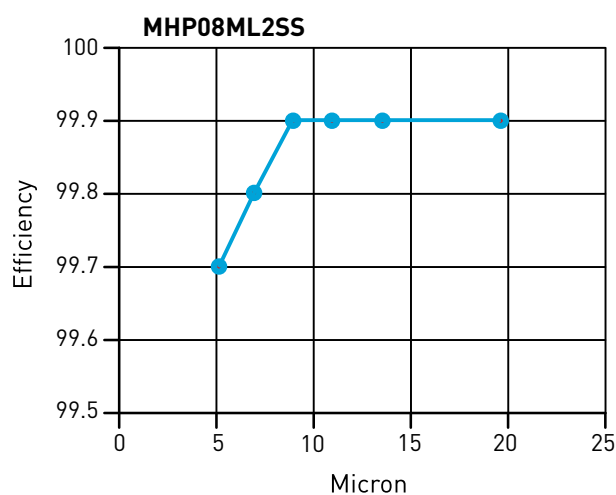
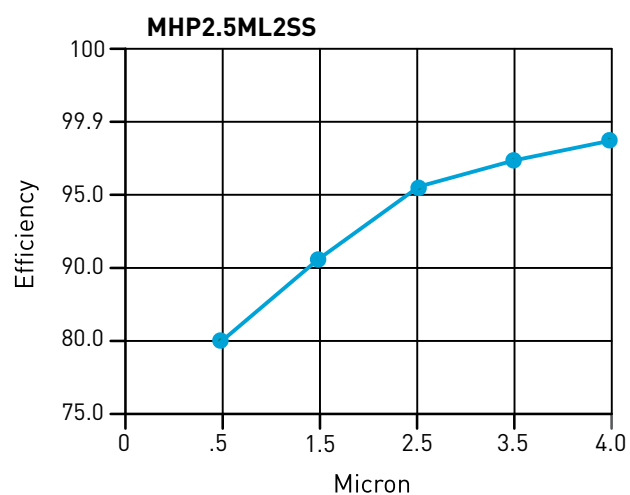
PART NUMBER	FLUID TYPE	FLOW RATE	TEMPERATURE	INITIAL
MHP2.5ML2SS	Water	2.5 gpm (10 Lpm)	Ambient	0.6 PSID (0.04 bar)
MHP08ML2SS		25 gpm (95 Lpm)		1.5 PSID (0.10 bar)
MHP15ML2SS				1.8 PSID (0.12 bar)
MHP35ML2SS				1.2 PSID (0.08 bar)

Gram Loading Test (Per Modified Multi-Pass ASTM F797)

PART NUMBER	FLUID TYPE	TEMPERATURE	NET CAPACITY
MHP2.5ML2SS	Water	Ambient	1844 grams
MHP08ML2SS			788 grams
MHP15ML2SS			1758 grams
MHP35ML2SS			1007 grams

Note: case quantity 2

MHP Series Efficiency



PLEATED SERIES FILTER BAGS



Pleated Series Filter Bags are available for all industry-standard housings in a wide array of micron ratings. These bags are constructed with polypropylene or polyester felt and provide more than four times the surface area of standard filter bags.

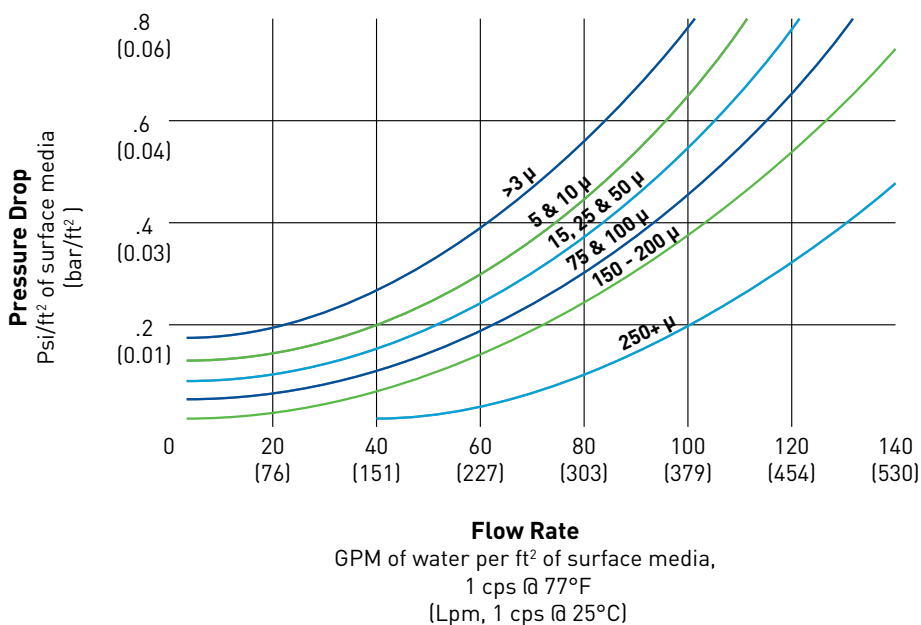
FEATURES/BENEFITS

High dirt-loading capacity	Fully supported pleats
Greater surface area	Positive sealing flange designs
Complete ultrasonic construction	Available medias range from 1-200 microns
Low pressure drop	

APPLICATIONS

Commercial process fluids
 Industrial process fluids

PRESSURE DROP VS FLOW RATE



INDUSTRIAL

BAG SPECIFICATIONS

Filter Media Polyester or Polypropylene

Liquid Bag Media

SIZE	PLEATED		STANDARD	
	FT ²	M ²	FT ²	M ²
#1	9.0	0.83	2.0	0.19
#2	19.0	1.77	4.4	0.41
#4	2.5	0.23	1.0	0.09
#8	8.0	0.74	2.0	0.19
#9	13.0	1.12	3.4	0.32

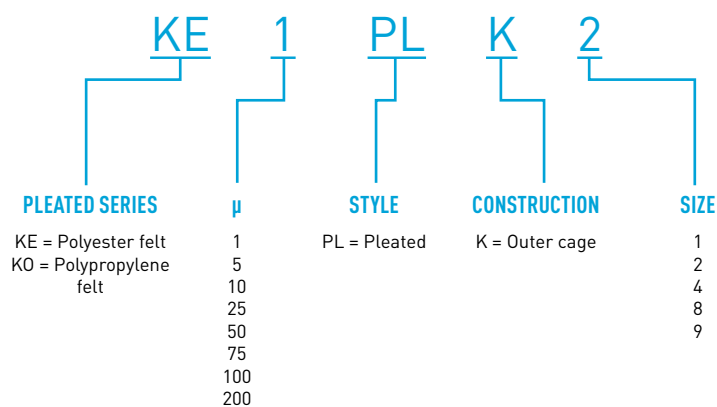
ORDERING INFORMATION

To create your ordering part number, use the part number configurator below.
Custom configurations available. Please contact customer service.

EXAMPLE: KE1PLK2

Polyester Felt Filter Bag (KE)

1-micron rating (1), Pleated (PL), Outer Cage (K), Standard #2 size (2)



Note: case quantity 4



INDUSTRIAL HOUSINGS - CARTRIDGE

WATER QUALITY SYSTEMS

3G

CARTRIDGE HOUSINGS



3G Cartridge Housings feature unique and innovative 3G design. This patented design features integral brackets, 10" or 20" length, clear housings, and caps for differential pressure gauges. Polypropylene construction offers excellent chemical compatibility.

FEATURES/BENEFITS

Reinforced polypropylene housings have excellent chemical resistance

Clear housings offer on-site examination of the cartridge and have excellent chemical compatibility

Buttress threads and uniform walls for easier cartridge change and improved strength

Accepts proprietary Seal-Safe double O-ring sealing cartridges as well as standard double open end cartridges

Optional pressure relief/bleed button and differential pressure gauge

Leak-proof sealing with top-seated floating Buna-N O-ring

Inlet and outlet available in 0.25", 0.38", 0.5" and 0.75" NPT

Accommodate a wide range of 2.25" to 3.125" (57.2 to 79.4 mm) diameter cartridges

APPLICATIONS

Commercial

Industrial

Residential

OPTIONS

Available in 10" and 20" sumps in clear and opaque

Durable polypropylene or FDA-compliant, clear Styrene-Acrylonitrile (SAN)

Integral bracket and mounting boss cap versions available

INDUSTRIAL

HOUSING SPECIFICATIONS

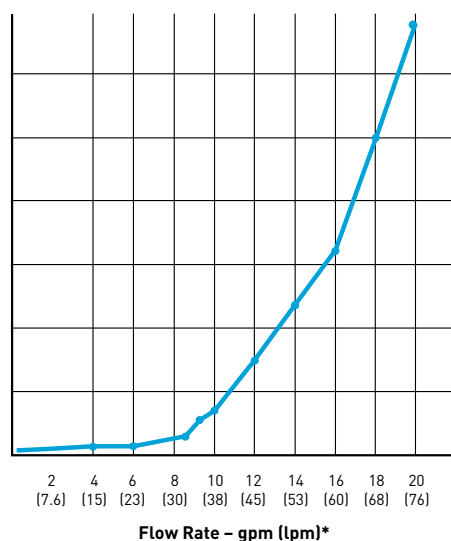
Housing	Polypropylene (opaque) or Styrene Acrylonitrile (clear)
Cap	Reinforced Polypropylene
Button Assembly	300-Series Stainless Steel, EPDM and Polypropylene
O-ring	Buna-N
Max. Temperature	125°F (51.7°C)
Max. Pressure	125 psi (8.62 bar)

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

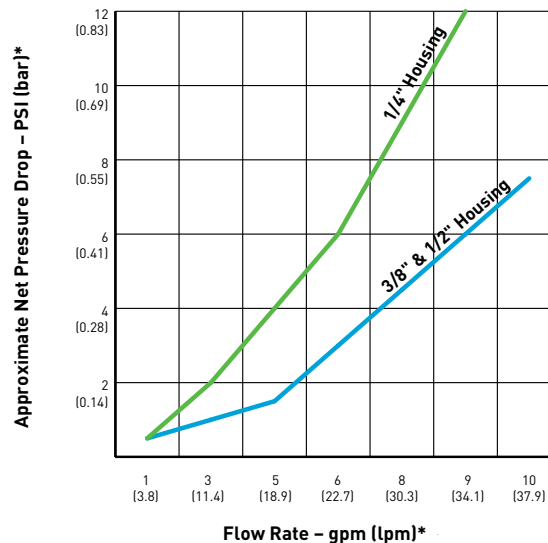
MODEL	MAXIMUM DIMENSIONS	INITIAL ΔP (PSI) @ FLOW RATE (GPM)
3G #10 Blue or Clear MB	12.75" x 5.375" (324 mm x 137 mm)	1 PSI @ 10 gpm (0.07 bar @ 38 Lpm)
3G #10 Blue or Clear IB	13.25" x 5.75" (337 mm x 146 mm)	1 PSI @ 10 gpm (0.07 bar @ 38 Lpm)
3G #20 Blue or Clear MB	23" x 5.375" (597 mm x 137 mm)	1 PSI @ 10 gpm (0.07 bar @ 38 Lpm)
3G #10 Blue or Clear IB/MM*	13.25" x 5.75" (337 mm x 146 mm)	1 PSI @ 10 gpm (0.07 bar @ 38 Lpm)
.25" #10 3G Slim Line MB	11.75" x 4.75" (298 mm x 121 mm)	2 PSI @ 3 gpm (0.14 bar @ 11 Lpm)
.25" #10 3G Slim Line IB	13.375" x 5.375" (340 mm x 137 mm)	2 PSI @ 3 gpm (0.14 bar @ 11 Lpm)
.375" #10 3G Slim Line MB	11.75" x 4.75" (298 mm x 121 mm)	2 PSI @ 5 gpm (0.14 bar @ 19 Lpm)
.375" #10 3G Slim Line IB	13.375" x 5.375" (340 mm x 137 mm)	2 PSI @ 5 gpm (0.14 bar @ 19 Lpm)
.5" #10 3G Slim Line MB	11.75" x 4.75" (298 mm x 121 mm)	2 PSI @ 5 gpm (0.14 bar @ 19 Lpm)
.5" #10 3G Slim Line IB	13.375" x 5.375" (340 mm x 137 mm)	2 PSI @ 5 gpm (0.14 bar @ 19 Lpm)

PRESSURE DROP VS FLOW RATE

Based on 3G #10



Based on 3G Slim Line



* Pressure drop and flow rate based on housing without cartridge.

ALL NATURAL POLYPROPYLENE CARTRIDGE HOUSINGS



All Natural Polypropylene Cartridge Housings help maintain high standards of purity and performance required in critical contamination control systems and processes.

FEATURES/BENEFITS

All Natural polypropylene components; no fillers, colorants, plasticizers or lubricants

Economical alternative to fluoropolymer, stainless steel or PTFE housings

Ultra-smooth contact surfaces prevent bacterial adhesion and build-up

Resists deionized water and other inorganic solutions

Resists stress cracking

FKM O-rings for dependable sealing

0.75" NPT inlet and outlet threads

Compatible with most manufacturers

APPLICATIONS

Deionized and Reagent
Grade Water

Electronic Grade Chemicals
(See Compatibility Chart)

Reagent Grade Chemicals
Pharmaceutical

Cosmetic

Freons (TF, 113)

Electronic Etching Solutions

Magnetic Coatings (Tape, Disc or Card)

Reverse Osmosis or Ultrafiltration Final Filters

OPTIONS

Housings with plugged 1/4" NPT inlet,
outlet and sump ports

Sump extension kit for 12" housing
(157209)

Cartridge coupler (155003)

Cap plug kit (144457)

INDUSTRIAL

HOUSING SPECIFICATIONS

Housing	All natural Polypropylene
Cap	All natural Polypropylene
O-ring	FKM
Max. Temperature	100°F (37.8°C)
Max. Pressure	100 psi (6.9 bar)

CAUTION: Do not install where system will be exposed to direct sunlight. Protect against freezing to prevent cracking of the filter and water leakage. For additional information about chemical compatibility, call our technical support department at 800.861.8758.

MODEL	CARTRIDGE SEALING	MAXIMUM DIMENSIONS	INITIAL ΔP (PSI) @ FLOW RATE (GPM)*
#10	DOE	12.057" x 5.07" (306mm x 129mm)	1 psi @10 gpm (0.07 bar @ 38Lpm)
#12	222 O-ring sealing	15.07" x 5.07" (383 mm x 129 mm)	1 psi @10 gpm (0.07 bar @ 38Lpm)
#20	DOE 222 O-ring sealing	22.34" x 5.07" (567 mm x 130 mm)	1 psi @10 gpm (0.07 bar @ 38Lpm)

* Pressure drop measured on empty housing.

CHEMICAL COMPATIBILITY

R = Resistant
C = Conditionally resistant
NR = Non-resistant

SEMICONDUCTOR PROCESSING MATERIALS	100% POLY		PVDF		
	68°F (20°C)	140°F (60°C)	68°F (20°C)	140°F (60°C)	FKM
Acetic Acid 99.7% (135°F/51.7°C Max)	R	C	R	R	NR
Acetic Acid 50%	R	R	R	R	R
Acetone 99.5%	R	R	NR	NR	NR
Ammonium Fluoride 40%	R	R	R	R	R
Ammonium Hydroxide 10%	R	R	R	R	R
Hydrochloric Acid 37%	R	R	R	R	R
Hydrofluoric Acid 49%, 52%	R	R	R	R	R
Hydrogen Peroxide 50%	R	C	R	R	R
Methanol 99.9% (140°F/60°C Max)	R	R	R	R	NR
Methylene Chloride 99.8% (105°F/40.6°C Max)	R	NR	R	NR	R
Methyl Ethyl Ketone	R	C	NR	NR	NR
N-Butyl Acetate 99.0%	NR	NR	C	NR	NR
Nitric Acid 60%	R	NR	R	C	R
Phosphoric Acid 86%	R	R	R	R	R
Potassium Hydroxide 45%	R	R	R	R	NR
2-Propanol 99.5%	R	R	R	C	R
Sodium Hydroxide 50%	R	R	R	R	R
Sulfuric Acid 90%	R	R	R	R	R
Tetrachloroethylene 99.0%	NR	NR	R	R	R
Water-Deionized	R	R	R	R	R

BIG BLUE/BIG CLEAR

CARTRIDGE HOUSINGS



Big Blue and Big Clear Filter Housings offer the versatility to meet larger capacity filtration needs. This reduces the number of housings required for high-flow applications.

FEATURES/BENEFITS

Large capacity housing
Sumps constructed of durable reinforced polypropylene
Big Clear Filter Housings offer on-site examination of flow, performance and cartridge life

1.25" internal port to allow a greater volume of liquid to pass through the high-flow polypropylene cap more rapidly
Accepts 4.5" diameter cartridges
Compatible with a broad range of chemicals

APPLICATIONS

Heavy sediment applications
High-flow applications

OPTIONS

10" and 20" lengths available in opaque and clear

Cap available with 0.75", 1" or 1.5" NPT inlet and outlet ports

Blue polypropylene caps available with optional pressure relief/bleed button on inlet side of cap

NSF certified Big Blue configurations available

INDUSTRIAL

HOUSING SPECIFICATIONS

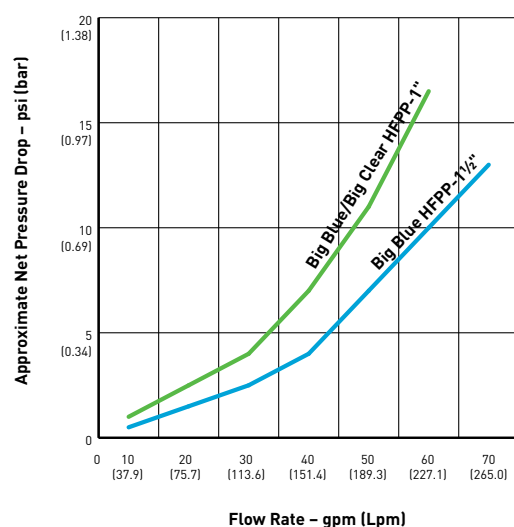
	Big Blue	Big Clear
Housing	Polypropylene	Lexan
Cap	Polypropylene	Polypropylene
Button Assembly	300 Series Stainless Steel, EPDM, and Polypropylene	300 Series Stainless Steel, EPDM, and Polypropylene
O-ring	Buna-N	Buna-N
Max. Temperature	100°F (37.8°C)	100°F (37.8°C)
Max. Pressure	#10 Big Blue - 100 psi (6.9 bar) #20 Big Blue - 90 psi (6.2 bar)	#10 Big Clear - 100 psi (6.9 bar) #20: 90 psi (6.2 bar)

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

MODEL	INLET/OUTLET SIZE (IN.)	MAXIMUM DIMENSIONS	INITIAL ΔP (PSI) @ FLOW RATE (GPM)
#10 Big Blue	.75	12.75" x 7.38" (324 mm x 187 mm)	2 PSI @ 15 gpm (0.14 bar @ 57 Lpm)
#10 Big Blue	1	13.30" x 7.45" (338 mm x 189 mm)	1 PSI @ 15 gpm (0.07 bar @ 57 Lpm)
#10 Big Blue	1.5	13.45" x 7.45" (342 mm x 189 mm)	1 PSI @ 20 gpm (0.07 bar @ 76 Lpm)
#20 Big Blue	.75	23.04" x 7.38" (585 mm x 187 mm)	2 PSI @ 15 gpm (0.14 bar @ 57 Lpm)
#20 Big Blue	1	23.22" x 7.45" (590 mm x 189 mm)	1 PSI @ 15 gpm (0.07 bar @ 57 Lpm)
#20 Big Blue	1.5	23.74" x 7.45" (603 mm x 189 mm)	1 PSI @ 20 gpm (0.07 bar @ 76 Lpm)
#10 Big Clear	1	13.30" x 7.28" (388 mm x 185 mm)	1 PSI @ 15 gpm (0.07 bar @ 57 Lpm)
#20 Big Clear	1	23.22" x 7.28" (590mm x 185mm)	1 PSI @ 15 gpm (0.07 bar @ 57 Lpm)

* Not performance tested or certified by NSF.

PRESSURE DROP VS FLOW RATE



C44

SINGLE LIQUID CARTRIDGE HOUSINGS



C44 Single Liquid Cartridge Housings give the versatility of choosing cartridges for the needed flow rates, chemical compatibility and particle retention. The C44 accommodates one element in 10", 20", 30" or 40" (254, 508, 762, 1,016 mm) lengths.

FEATURES/BENEFITS

Flow rates to 20 gpm (75.8 Lpm)
 150 and 300 PSI (10.3 and 20.7 bar)
 pressure ratings
 Carbon or Stainless Steel construction
 Zinc-plated quick-swing closure with eye
 nuts
 Buna-N lid seal
 316 Stainless Steel cup and spring
 assemblies

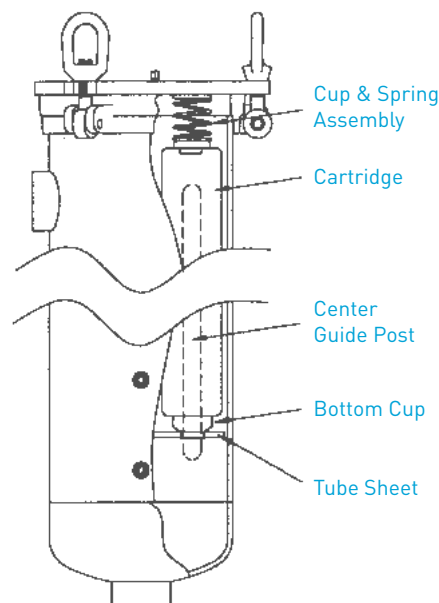
Differential, drain, and vent ports
 316 Stainless Steel center guide post
 Two-part epoxy paint inside and outside
 on carbon steel housings
 Made to accept double open end
 cartridges (DOE) or 222 style with closed
 top cap*

APPLICATIONS

Commercial
 General Industrial

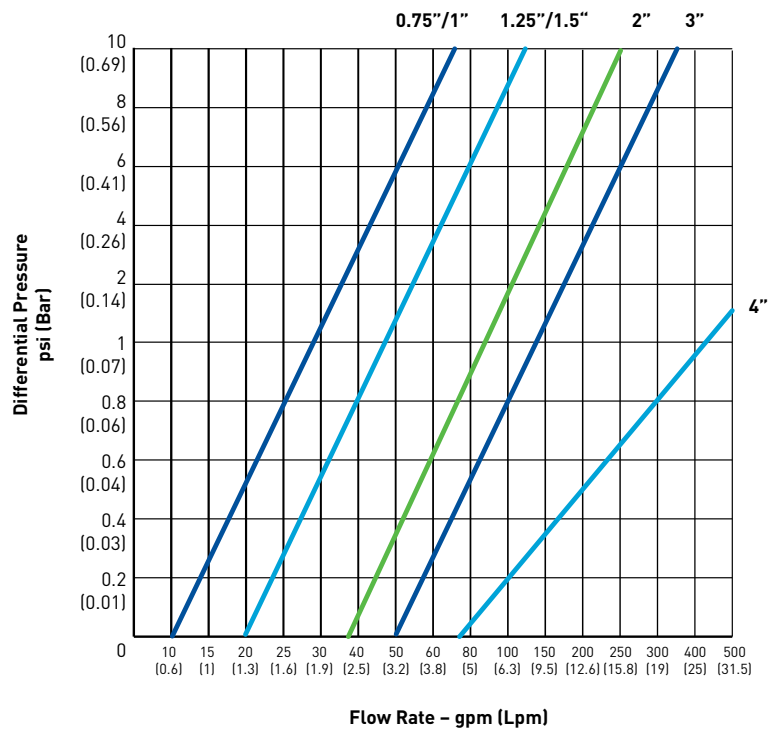
OPTIONS

Duplexing for continual flow during
 maintenance
 Higher pressure rating
 226 style cartridge compatibility
 Fin style top
 ASME Code U or UM
 Adjustable support legs



* Note: Type of element top which will be used must be noted at the time of the housing order.

PRESSURE DROP VS FLOW RATE



STYLE A - BOTTOM OUTLET

STYLE B - SIDE OUTLET

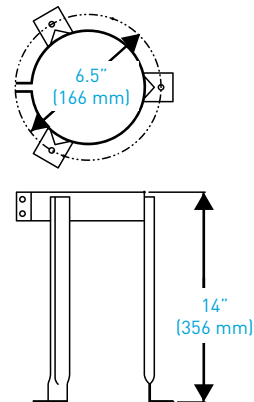
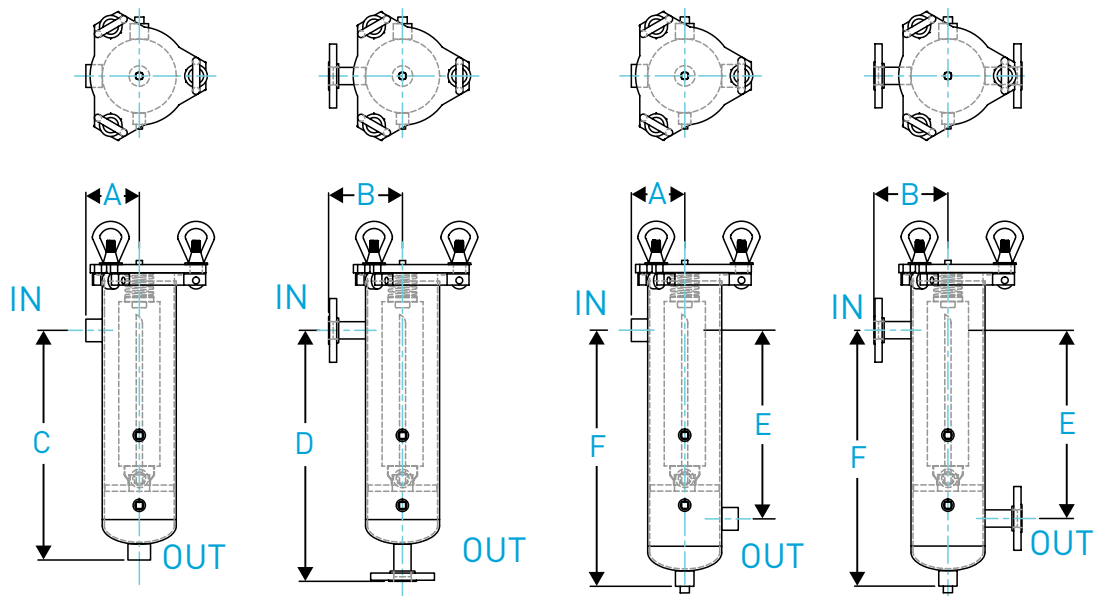
THREADED
NPT

FLANGED
150 LB A.N.S.I.

THREADED
NPT

FLANGED
150 LB A.N.S.I.

OPTIONAL
ADJUSTABLE LEGS



continued>>

DIMENSIONS

HOUSING	CARTRIDGE QUANTITY	CARTRIDGE LENGTH	CONNECTION SIZE (IN.)	METRIC	DIMENSIONS					
					A	B	C	D	E	F
C44	1	10"	0.5	IN	3.2	4.5	13.9	15.3	11.3	15.3
				MM	81	114	354	387	287	389
			0.75	IN	3.3	4.5	14.0	15.3	11.1	15.4
				MM	83	114	355	387	283	392
			1	IN	3.3	4.5	14.1	15.3	11.6	15.9
				MM	83	114	358	387	295	405
			1.25	IN	3.3	4.5	14.2	15.3	11.9	16.4
				MM	83	114	360	387	302	418
			1.5	IN	3.4	4.5	14.4	15.3	12.0	16.7
				MM	87	114	367	387	305	424
			2	IN	3.5	4.5	14.5	15.3	12.3	17.2
				MM	89	114	368	389	311	437
		20"	0.5	IN	3.2	4.5	23.9	25.3	21.3	25.3
				MM	81	114	608	641	541	643
			0.75	IN	3.3	4.5	24.0	25.3	21.4	25.6
				MM	83	114	610	641	545	649
			1	IN	3.3	4.5	24.1	25.3	21.6	25.9
				MM	83	114	612	641	549	659
			1.25	IN	3.3	4.5	24.2	25.3	21.9	26.4
				MM	83	114	614	641	556	672
			1.5	IN	3.4	4.5	24.4	25.3	21.9	26.6
				MM	87	114	621	641	557	675
			2	IN	3.5	4.5	24.5	25.3	22.3	27.2
				MM	89	114	622	643	565	691
		30"	0.5	IN	3.2	4.5	33.9	35.3	31.3	35.3
				MM	81	114	862	895	795	897
			0.75	IN	3.3	4.5	34.0	35.3	31.4	35.6
				MM	83	114	864	895	799	903
			1	IN	3.3	4.5	34.1	35.3	31.6	35.9
				MM	83	114	866	895	803	913
			1.25	IN	3.3	4.5	34.2	35.3	31.9	36.4
				MM	83	114	868	895	810	926
			1.5	IN	3.4	4.5	34.4	35.3	32.0	36.7
				MM	87	114	875	895	813	932
			2	IN	3.5	4.5	34.5	35.3	32.3	37.2
				MM	89	114	876	897	819	945
		40"	0.5	IN	3.2	4.5	43.9	45.3	41.3	45.3
				MM	81	114	1,116	1,149	1,049	1,151
			0.75	IN	3.3	4.5	44.0	45.3	41.4	45.6
				MM	83	114	1,118	1,149	1,053	1,157
			1	IN	3.3	4.5	44.1	45.3	41.6	45.9
				MM	83	114	1,120	1,149	1,057	1,167
			1.25	IN	3.3	4.5	44.2	45.3	41.9	46.4
				MM	83	114	1,122	1,149	1,064	1,180
			1.5	IN	3.4	4.5	44.4	45.3	42.0	46.7
				MM	87	114	1,129	1,149	1,067	1,186
			2	IN	3.5	4.5	44.5	45.3	42.3	47.2
				MM	89	114	1,130	1,151	1,073	1,199

All dimensions are approximate. Dimensions are for carbon steel configurations.

continued>>

C44

SINGLE LIQUID CARTRIDGE HOUSINGS

ORDERING INFORMATION

To create your ordering part number, use the part number configurator below.
Custom configurations available. Please contact customer service.

HOUSING EXAMPLE: C4420.75NBCD15U

C44 housing [C44], 20" length [20], 0.75" [.75], NPT connection [N]

Outlet location on opposite side [B], Carbon steel [C], Double open ended element [D]

150 psi [15], ASME Code [U] Stamp [U]

C44 20 .75 N B C D 15 U										
HOUSING	LENGTH (IN.)	CONNECTION (IN.)	CONNECTION TYPE	OUTLET LOCATION	MATERIAL	ELEMENT BASE*	ELEMENT TOP	PSI	ASME CODE	
C44	10 20 30 40	.50 .75 1 1.25 1.50 2	N = NPT F = Flange	A = Bottom B = Opposite Side	C = Carbon Steel 4 = 304 SS 4L = 304L SS 6 = 316 SS 6L = 316L SS	D = DOE 22 = 222 Style 26 = 226 Style	S = Single Open End F = Fin Style None = DOE	15 = 150 30 = 300 50 = 500	U = (U) Stamp UM = (UM) Stamp None = No Stamp	

Note: If DOE, it is only required once in the part number and will specify both top and base. Cartridges are not included but must be specified as to the type using when ordering the housing. Carbon steel not recommended for water use as the epoxy coating is not designed as a corrosion inhibitor.

C66

3-ROUND LIQUID CARTRIDGE HOUSINGS



C66 3-Round Liquid Cartridge Housings give the versatility of choosing cartridges for the needed flow rates, chemical compatibility and particle retention. The C66 accommodates three elements in 20", 30" or 40" (508, 762, 1,016 mm) lengths.

FEATURES/BENEFITS

Flow rates to 60 gpm (227.1 Lpm)
150 (10.3 bar) and 300 PSI (20.7 bar)
pressure rating
Carbon or Stainless Steel construction
Zinc-plated quick-swing closure
with eye nuts
300 PSI (20.7 bar) housing has a slip
and blind flange lid
Buna-N lid seal
316 Stainless Steel cup and spring
assemblies

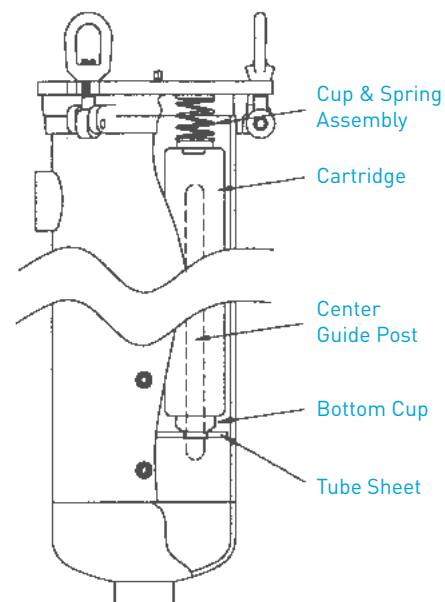
Differential, drain, and vent ports
Adjustable support legs
Two-part epoxy paint inside and outside
on carbon steel housings
316 Stainless Steel center guide post
Made to accept double open end
cartridges (DOE) or 222 style with closed
top cap*

APPLICATIONS

Commercial
General Industrial

OPTIONS

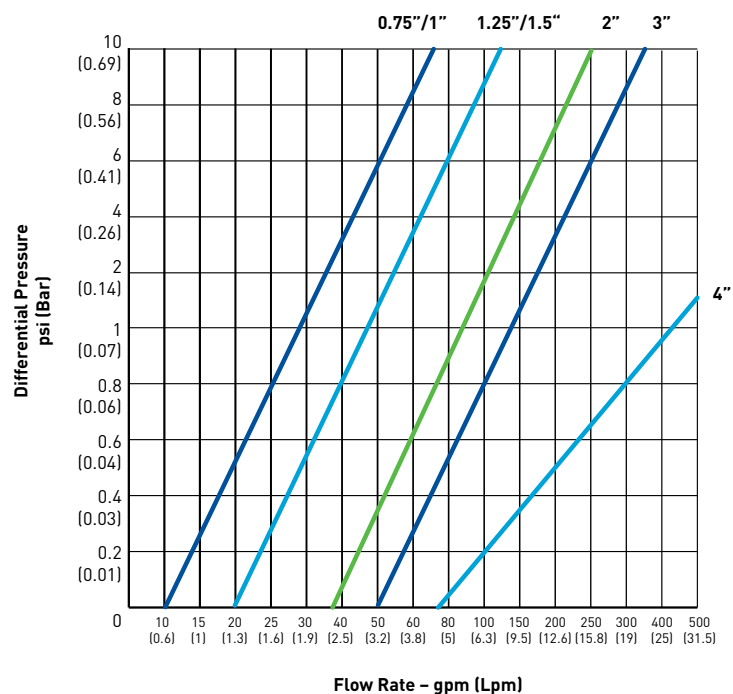
Duplexing for continual flow during maintenance
Higher pressure rating
226 style cartridge compatibility
Fin style top
ASME Code U or UM



* Note: Type of element top which will be used must be noted at the time of the housing order.

INDUSTRIAL

PRESSURE DROP VS FLOW RATE



DIMENSIONS

HOUSING	CARTRIDGE QUANTITY	CARTRIDGE LENGTH	CONNECTION SIZE (IN.)	METRIC	DIMENSIONS					
					A	B	C	D	E	F
C66	3	20"	1	IN	4.5	5.5	22.1	23.2	19.6	24.5
				MM	114	140	562	589	499	622
			1.25	IN	4.6	5.6	22.3	23.4	19.9	25.0
				MM	118	143	565	594	505	635
			1.5	IN	4.7	5.7	22.5	23.4	20.0	25.3
				MM	119	145	572	595	508	641
			2	IN	4.7	5.7	22.6	23.4	20.3	26
				MM	119	145	573	595	514	660
			3	IN	4.8	5.8	22.9	23.8	20.9	27.0
				MM	122	148	581	603	530	686
		30"	1	IN	4.5	5.5	32.1	33.2	29.6	34.5
				MM	114	140	816	843	753	876
			1.25	IN	4.6	5.6	32.3	33.4	29.9	35.0
				MM	118	143	819	848	759	889
			1.5	IN	4.7	5.7	32.5	33.4	30.0	35.3
				MM	119	145	826	849	762	895
			2	IN	4.7	5.7	32.6	33.4	30.3	36
				MM	119	145	827	849	768	914
			3	IN	4.8	5.8	32.9	33.8	30.9	37.0
				MM	122	148	835	857	784	940
		40"	1	IN	4.5	5.5	42.1	43.2	39.6	44.5
				MM	114	140	1,070	1,097	1,007	1,130
			1.25	IN	4.6	5.6	42.3	43.4	39.9	45.0
				MM	118	143	1,073	1,102	1,013	1,143
			1.5	IN	4.7	5.7	42.5	43.4	40.0	45.3
				MM	119	145	1,080	1,103	1,016	1,149
			2	IN	4.7	5.7	42.6	43.4	40.3	45.8
				MM	119	145	1,081	1,103	1,022	1,162
			3	IN	4.8	5.8	42.9	43.8	40.9	47.0
				MM	122	148	1,089	1,111	1,038	1,194

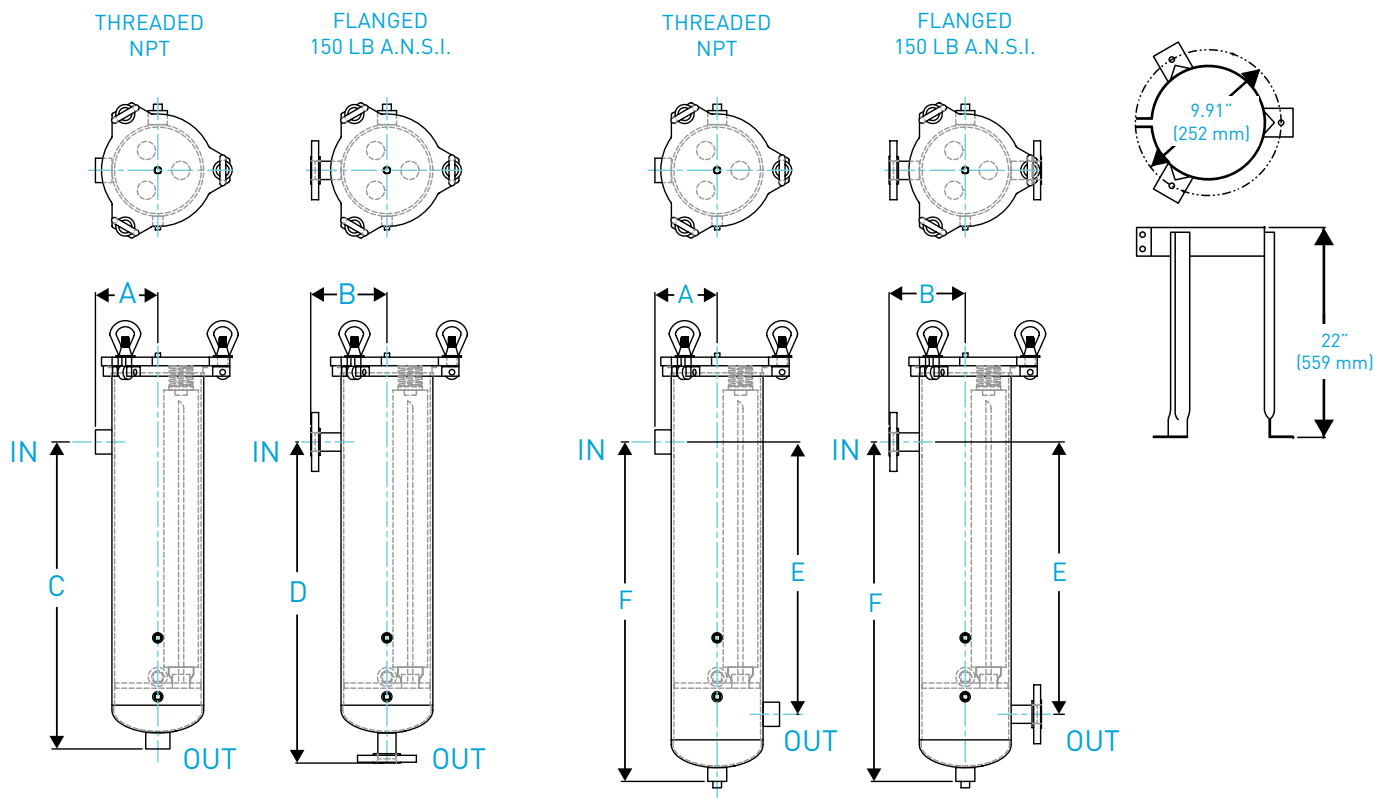
All dimensions are approximate. Dimensions are for carbon steel configurations.

continued >>

STYLE A - BOTTOM OUTLET

STYLE B - SIDE OUTLET

ADJUSTABLE LEGS



ORDERING INFORMATION

To create your ordering part number, use the part number configurator below.
Custom configurations available. Please contact customer service.

HOUSING EXAMPLE: C66201NBCD15U

C66 housing [C66], 20" length [20], 1" (1), NPT connection (N)
Outlet location on opposite side (B), Carbon steel (C), Double open ended element (D)
150 psi (15), ASME Code (U) Stamp (U)

HOUSING	LENGTH (IN.)	CONNECTION (IN.)	CONNECTION TYPE	OUTLET LOCATION	MATERIAL	ELEMENT BASE*	ELEMENT TOP	PSI	ASME CODE
C66	20 30 40	1 1.25 1.50 2 3	N = NPT F = Flange	A = Bottom B = Opposite Side	C = Carbon Steel 4 = 304 SS 4L = 304L SS 6 = 316 SS 6L = 316L SS	D = DOE 22 = 222 Style 26 = 226 Style	S = Single Open End F = Fin Style None = DOE	15 = 150 30 = 300	U = (U) Stamp UM = (UM) Stamp None = No Stamp

Note: If DOE, it is only required once in the part number and will specify both top and base. Cartridges are not included but must be specified as to the type using when ordering the housing. Carbon steel not recommended for water use as the epoxy coating is not designed as a corrosion inhibitor.

C88 6-ROUND LIQUID CARTRIDGE HOUSINGS



C88 6-Round Liquid Cartridge Housings give the versatility of choosing cartridges for the needed flow rates, chemical compatibility and particle retention.

FEATURES/BENEFITS

Accommodates 6 elements in 20", 30" or 40" (254, 508, 762, 1016 mm) lengths
Flow rates to 120 gpm (454.2 Lpm)
150 PSI (10.3 bar) and 300 PSI (20.7 bar) pressure ratings
Carbon or Stainless Steel construction
Zinc-plated quick-swing closure with eye nuts
300 PSI (20.7 bar) housing has a slip and blind flange lid

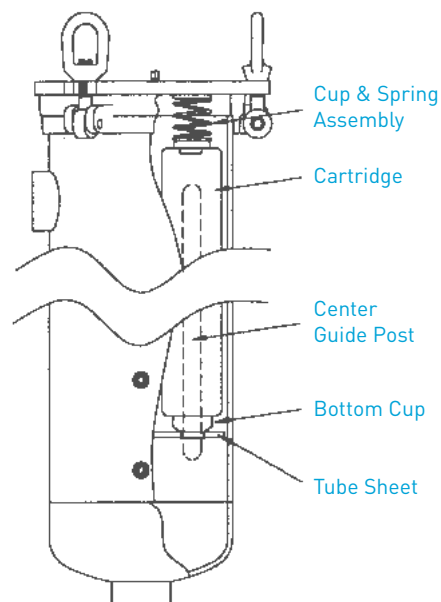
Buna-N lid seal
316 Stainless Steel cup and spring assemblies
Differential, drain, and vent ports
Adjustable support legs
Two-part epoxy paint inside and outside on carbon steel housings
316 Stainless Steel center guide post
Made to accept double open end cartridges (DOE) or 222 style with closed top cap*

APPLICATIONS

Commercial
General Industrial

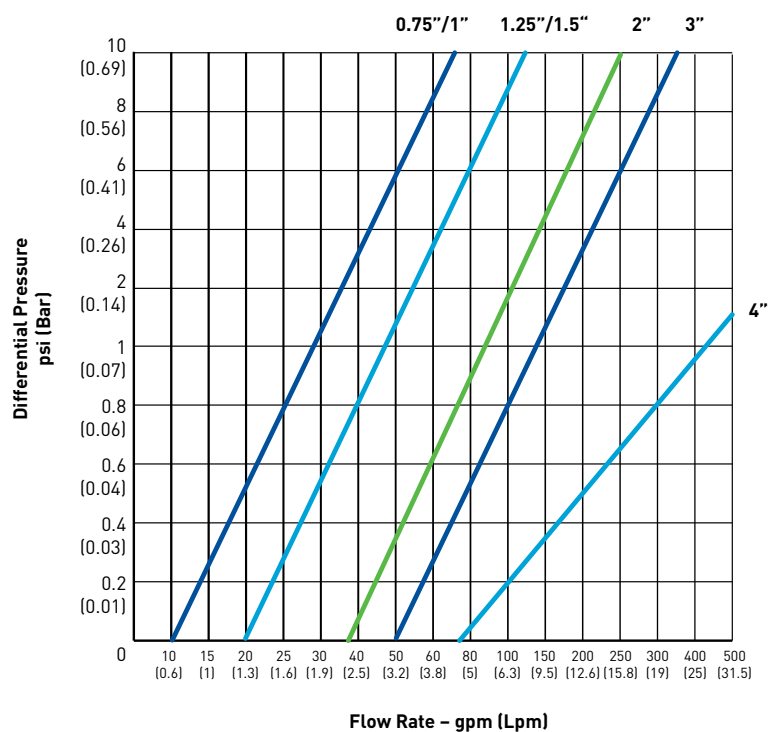
OPTIONS

Duplexing for continual flow during maintenance
Higher pressure rating
226 style cartridge compatibility
Fin style top
ASME Code U or UM



* Note: Type of element top which will be used must be noted at the time of the housing order.

PRESSURE DROP VS FLOW RATE



DIMENSIONS

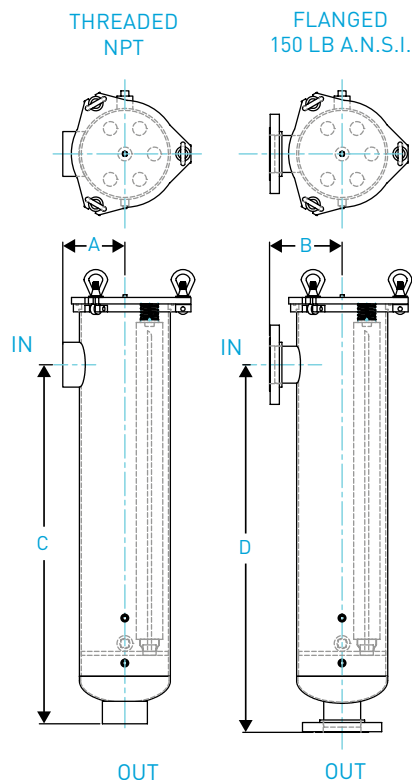
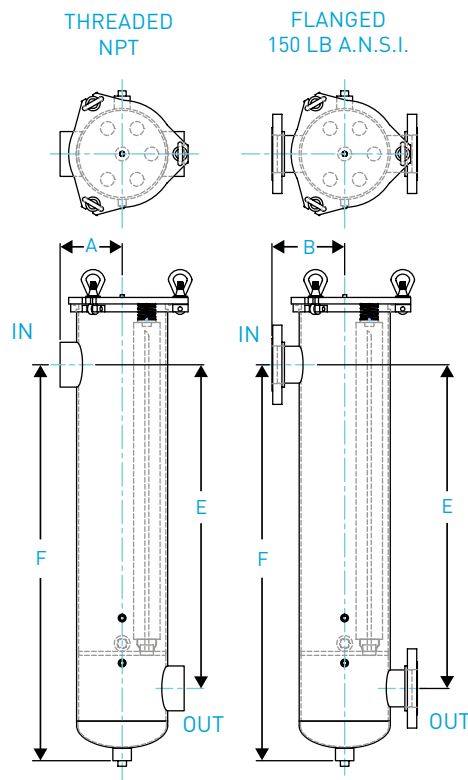
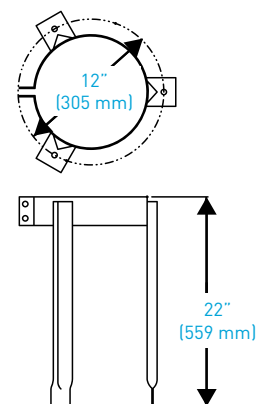
HOUSING	CARTRIDGE QUANTITY	CARTRIDGE LENGTH	CONNECTION SIZE (IN.)	METRIC	DIMENSIONS					
					A	B	C	D	E	F
C88	6	20"	2	IN	5.8	6.8	23.7	24.6	20.0	26.3
				MM	146	171	602	624	508	667
			3	IN	5.9	6.9	24.0	24.8	20.6	27.5
				MM	149	175	610	630	524	699
			4	IN	5.7	6.9	24.1	24.9	21.3	28.8
				MM	145	175	613	633	540	730
		30"	2	IN	5.8	6.8	33.7	34.6	30.0	36.3
				MM	146	171	856	878	762	921
			3	IN	5.9	6.9	34.0	34.8	30.6	37.5
				MM	149	175	864	884	778	953
			4	IN	5.7	6.9	34.1	34.9	31.3	38.8
				MM	145	175	867	887	794	984
		40"	2	IN	5.8	6.8	43.7	44.6	40	48.8
				MM	146	171	1,110	1,132	1,016	1,238
			3	IN	5.9	6.9	44.0	44.8	40.6	58.8
				MM	149	175	1,118	1,138	1,302	1,492
			4	IN	5.7	6.9	44.1	44.9	41.3	68.8
				MM	145	175	1,121	1,141	1,048	1,746
				IN						
				MM						

All dimensions are approximate. Dimensions are for carbon steel configurations.

continued>>

C88

6-ROUND LIQUID CARTRIDGE HOUSINGS

STYLE A - BOTTOM OUTLET**STYLE B - SIDE OUTLET****ADJUSTABLE LEGS****ORDERING INFORMATION**

To create your ordering part number, use the part number configurator below.
Custom configurations available. Please contact customer service.

HOUSING EXAMPLE: C88202NBCD15U

C88 housing [C88], 20" length [20], 2" [2], NPT connection [N]

Outlet location on opposite side [B], Carbon steel [C], Double open ended element [D]

150 psi [15], ASME Code [U] Stamp [U]

HOUSING	LENGTH (IN.)	CONNECTION (IN.)	CONNECTION TYPE	OUTLET LOCATION	MATERIAL	ELEMENT BASE*	ELEMENT TOP	PSI	ASME CODE
C88	20 30 40	2 3 4	N = NPT F = Flange	A = Bottom B = Opposite Side	C = Carbon Steel 4 = 304 SS 4L = 304L SS 6 = 316 SS 6L = 316L SS	D = DOE 22 = 222 Style 26 = 226 Style	S = Single Open End F = Fin Style None = DOE	15 = 150 30 = 300	U = (U) Stamp UM = (UM) Stamp None = No Stamp

Note: If DOE, it is only required once in the part number and will specify both top and base. Cartridges are not included but must be specified as to the type using when ordering the housing. Carbon steel not recommended for water use as the epoxy coating is not designed as a corrosion inhibitor.

INDUSTRIAL E SERIES

CARTRIDGE HOUSINGS



The E Series Multi-Cartridge Housings offer outstanding durability and corrosion resistance across a wide variety of industrial and commercial applications. Constructed from 304 or 316L stainless steel, these housings accept a wide variety of cartridges types. This gives the user flexibility to choose the number, type, and size of cartridges needed for chemical compatibility and particle retention.

Quality workmanship and design assure clean effluent and consistent, reliable performance. Simple to install and maintain, the E Series Multi-Cartridge Housings feature a band clamp closure that makes cartridge change-outs quick and easy.

FEATURES/BENEFITS

- | | |
|--|--------------------------------------|
| Flow rates up to 150 gpm (568 Lpm) | 304 or 316L construction |
| Accepts 20", 30" or 40" (508, 762 or 1016 mm) double open end (DOE) cartridges, depending on model | Each housing is factory hydro-tested |
| 100 psi (6.9 bar) pressure rating | Band clamp closure |
| | Polished external finish |

APPLICATIONS

- | | |
|--------------------|-----------------|
| Water | Oil and Gas |
| General Industrial | Food & Beverage |
| Chemical | Commercial |

INDUSTRIAL

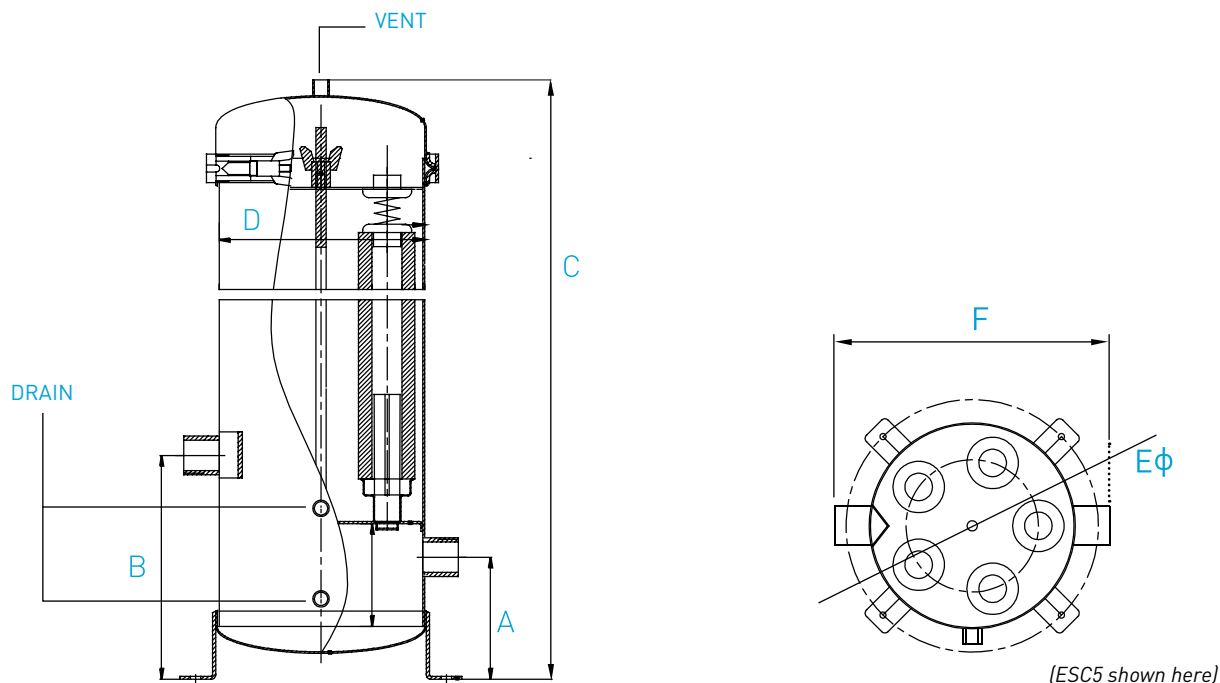
SPECIFICATIONS

Pressure Rating	100 psi @ 300°F (6.9 bar @ 148.9°C)
Construction	304 or 316L Stainless Steel, polished finish on outside
Connections	2" NPT
Housing Lid	Band clamp closure
Lid Seal	EPDM

DIMENSIONS

MODEL	NUMBER OF CARTRIDGES	CARTRIDGE LENGTH	DIMENSIONS									WEIGHT	
				A	B	C	D	E φ	F	VENT	DRAIN		
ESC3	3	20	IN	4.7	8.7	33.5	6.7	8.5	9.1	0.25	0.5	LBS	70
			MM	120	220	850	170	216	230	6	13	KG	32
		30	IN	4.7	8.7	43.3	6.7	8.5	9.1	0.25	0.5	LBS	75
			MM	120	220	1100	170	216	230	6	13	KG	34
		40	IN	4.7	8.7	53.1	6.7	8.5	9.1	0.25	0.5	LBS	79
			MM	120	220	1350	170	216	230	6	13	KG	36
ESC4	4	20	IN	4.7	8.7	33.9	7.9	9.8	10.2	0.25	0.5	LBS	81
			MM	120	220	860	200	248	260	6	13	KG	37
		30	IN	4.7	8.7	43.7	7.9	9.8	10.2	0.25	0.5	LBS	86
			MM	120	220	1110	200	248	260	6	13	KG	39
		40	IN	4.7	8.7	53.5	7.9	9.8	10.2	0.25	0.5	LBS	90
			MM	120	220	1360	200	248	260	6	13	KG	41
ESC5	5	20	IN	4.7	8.7	33.9	7.9	9.8	10.2	0.25	0.5	LBS	81
			MM	120	220	860	200	248	260	6	13	KG	37
		30	IN	4.7	8.7	43.7	7.9	9.8	10.2	0.25	0.5	LBS	86
			MM	120	220	1110	200	248	260	6	13	KG	39
		40	IN	4.7	8.7	53.5	7.9	9.8	10.2	0.25	0.5	LBS	90
			MM	120	220	1360	200	248	260	6	13	KG	41
ESC7	7	20	IN	4.7	8.7	34.3	9.8	12.2	12.2	0.25	1	LBS	88
			MM	120	220	870	250	310	310	6	25	KG	40
		30	IN	4.7	8.7	44.1	9.8	12.2	12.2	0.25	1	LBS	92
			MM	120	220	1120	250	310	310	6	25	KG	42
		40	IN	4.7	8.7	53.9	9.8	12.2	12.2	0.25	1	LBS	99
			MM	120	220	1370	250	310	310	6	25	KG	45

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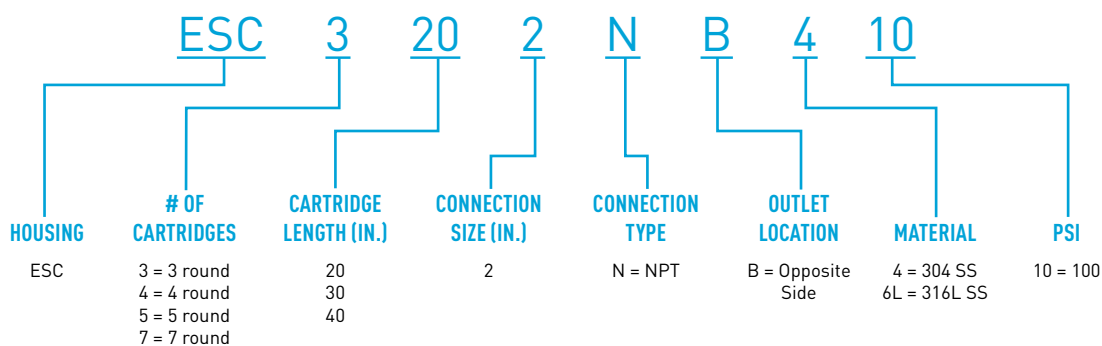


ORDERING INFORMATION

To create your ordering part number, use the part number configurator below.
Custom configurations available. Please contact customer service.

HOUSING EXAMPLE: ESC3202NB410

E Series Cartridge Housing (ESC), holds three (3) 20" cartridges (20), 2" connection (2)
NPT connection (N), Opposite side outlet (B), 304 SS (4), 100 psi (10)



HIGH TEMPERATURE CARTRIDGE HOUSINGS



High Temperature Cartridge Housings are constructed of glass-reinforced nylon and provide an economical alternative to stainless and carbon steel housings.

FEATURES/BENEFITS

- Flow rates up to 20 gpm (76 Lpm)
- Withstands temperatures up to 165°F (73.9°C)
- Durable glass-reinforced nylon construction
- Excellent chemical compatibility
- Excellent alternative to stainless and carbon housings
- #241 O-ring for dependable sealing

APPLICATIONS*

- Alcohol
- Organic Solvents
- Petroleum
- Sea Water
- Vegetable Oils

OPTIONS

- Available in 0.5" NPT Slim Line and 0.75" NPT Standard housings
- Available in 10" and 20" lengths

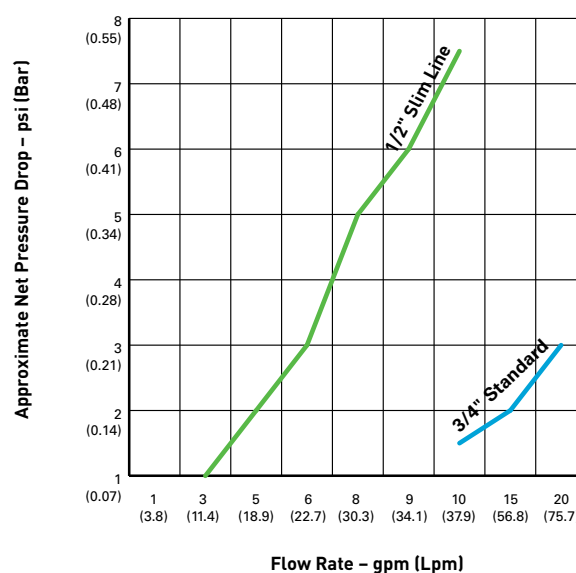
DIMENSIONS

Housing	Glass-reinforced nylon
Cap	Glass-reinforced nylon
O-ring	Slim Line Housings - FKM Standard Housings - Silicone
Max. Temperature	165°F (73.9°C)
Max. Pressure	125 psi (8.62 bar)

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

MODEL	INLET/ OUTLET SIZE (IN.)	MAXIMUM DIMENSIONS	INITIAL ΔP (PSI) @ FLOW RATE (GPM)
#10 Standard	.75"	12.125" x 5.125" (308 mm x 130 mm)	<1 PSI @ 8 gpm (<0.1 bar @ 30 Lpm)
#20 Standard	.75"	22.25" x 5.125" (565 mm x 130 mm)	<1 PSI @ 8 gpm (<0.1 bar @ 30 Lpm)
#10 Slim Line	.5"	11.75" x 4.375" (298 mm x 111 mm)	5 PSI @ 8 gpm (<0.4 bar @ 30 Lpm)

PRESSURE DROP VS FLOW RATE



* Not to be used with ketones

MULTI-ROUND SERIES

CARTRIDGE HOUSINGS



Multi-Round Liquid Cartridge Housings offer the versatility of choosing the correct cartridges for the needed flow rates, chemical compatibility and particle retention.

FEATURES/BENEFITS

Flow rates from 120 to 4100 gpm (454.2 to 15,518.5 Lpm)
Carbon or Stainless Steel construction
Bearing assisted davit assemblies
Buna-N lid seals
316 Stainless Steel cup and spring assemblies
150 PSI (10.3 bar) pressure rating
Differential, drain and vent ports

Heavy-duty support legs
Two-part epoxy finish inside and outside on carbon steel housings
316 Stainless Steel center guide posts
Zinc-plated swing bolts and eye nuts
11-round to 205-round capacity
Made to accept double open end cartridges (DOE) or 222 style with closed top cap*

APPLICATIONS

Commercial
General Industrial

OPTIONS

Duplexing for continual flow during maintenance
Hydraulic lid lift
Higher pressure rating
226 style cartridge compatibility
ASME Code U
Various connection sizes and types

* Note: Type of element top which will be used must be noted at the time of the housing order.

MULTI-ROUND SERIES

CARTRIDGE HOUSINGS

DIMENSIONS

MODEL	# OF ELEMENTS	CARTRIDGE LENGTH	CONNECTION SIZE		DIMENSIONS														WEIGHT		
					A	B	C	D	E	F	G	H	I	J	K	L	M				
C1212	11	20"	2	IN	12.0	2.0	42.3	59.8	8.0	11.0	9.4	8.7	20.5	40.4	57.9	11.0	6.0	LBS	400		
				MM	305	51	1,075	1,519	203	279	238	221	521	1,027	1,472	279	152	KG	181		
			3	IN	12.0	3.0	44.3	61.8	10.0	11.0	9.4	8.7	20.5	41.6	59.1	11.0	6.0	LBS	410		
				MM	305	76	1,125	1,570	254	279	238	221	521	1,056	1,500	279	152	KG	186		
			4	IN	12.0	4.0	46.8	64.3	12.5	11.0	9.4	8.7	20.5	42.6	60.1	11.0	6.0	LBS	420		
				MM	305	102	1,189	1,633	318	279	238	221	521	1,081	1,526	279	152	KG	190		
		30"	2	IN	12.0	2.0	52.3	69.8	8.0	11.0	9.4	8.7	20.5	50.4	67.9	11.0	6.0	LBS	400		
				MM	305	51	1,329	1,773	203	279	238	221	521	1,281	1,726	279	152	KG	181		
			3	IN	12.0	3.0	54.3	71.8	10.0	11.0	9.4	8.7	20.5	51.6	69.1	11.0	6.0	LBS	410		
				MM	305	76	1,379	1,824	254	279	238	221	521	1,310	1,754	279	152	KG	186		
			4	IN	12.0	4.0	56.8	74.3	12.5	11.0	9.4	8.7	20.5	52.6	70.1	11.0	6.0	LBS	420		
				MM	305	102	1,443	1,887	318	279	238	221	521	1,335	1,780	279	152	KG	190		
		40"	2	IN	12.0	2.0	62.3	79.8	8.0	11.0	9.4	8.7	20.5	60.4	77.9	11.0	6.0	LBS	400		
				MM	305	51	1,583	2,027	203	279	238	221	521	1,535	1,980	279	152	KG	181		
			3	IN	12.0	3.0	64.3	81.8	10.0	11.0	9.4	8.7	20.5	61.6	79.1	11.0	6.0	LBS	410		
				MM	305	76	1,633	2,078	254	279	238	221	521	1564	2,008	279	152	KG	186		
			4	IN	12.0	4.0	66.8	84.3	12.5	11.0	9.4	8.7	20.5	62.6	80.1	11.0	6.0	LBS	420		
				MM	305	102	1,697	2,141	318	279	238	221	521	1589	2,034	279	152	KG	190		
		C1616	20	20"	2	IN	16.0	2.0	40.4	61.8	8.0	13.0	11.1	11.1	20.5	38.5	59.9	11.0	6.0	LBS	400
						MM	406	51	1,026	1,570	203	330	281	281	521	978	1,522	279	152	KG	181
					3	IN	16.0	3.0	42.4	63.9	10.0	13.0	11.1	11.1	20.5	39.6	61.1	11.0	6.0	LBS	410
						MM	406	76	1,077	1,623	254	330	281	281	521	1,007	1,551	279	152	KG	186
					4	IN	16.0	4.0	46.1	66.3	12.5	13.0	11.1	11.1	20.5	40.7	62.1	11.0	6.0	LBS	420
						MM	406	102	1,170	1,684	318	330	281	281	521	1,034	1,576	279	152	KG	190
30"	2			IN	16.0	2.0	50.4	71.8	8.0	13.0	11.1	11.1	20.5	48.5	69.9	11.0	6.0	LBS	400		
				MM	406	51	1,280	1,824	203	330	281	281	521	1,232	1,776	279	152	KG	181		
	3			IN	16.0	3.0	52.4	73.9	10.0	13.0	11.1	11.1	20.5	49.6	71.1	11.0	6.0	LBS	410		
				MM	406	76	1,331	1,877	254	330	281	281	521	1,261	1,805	279	152	KG	186		
	4			IN	16.0	4.0	56.1	76.3	12.5	13.0	11.1	11.1	20.5	50.7	72.1	11.0	6.0	LBS	420		
				MM	406	102	1,424	1,938	318	330	281	281	521	1,288	1,830	279	152	KG	190		
40"	2			IN	16.0	2.0	60.4	81.8	8.0	13.0	11.1	11.1	20.5	58.5	79.9	11.0	6.0	LBS	400		
				MM	406	51	1,534	2,078	203	330	281	281	521	1,486	2,030	279	152	KG	181		
	3			IN	16.0	3.0	62.4	83.9	10.0	13.0	11.1	11.1	20.5	59.6	81.1	11.0	6.0	LBS	410		
				MM	406	76	1,585	2,131	254	330	281	281	521	1,515	2,059	279	152	KG	186		
	4			IN	16.0	4.0	66.1	86.3	12.5	13.0	11.1	11.1	20.5	60.7	82.1	11.0	6.0	LBS	420		
				MM	406	102	1,678	2,192	318	330	281	281	521	1,542	2,084	279	152	KG	190		

All dimensions are approximate. Dimensions are for carbon steel configurations.

continued >>

MULTI-ROUND SERIES

CARTRIDGE HOUSINGS

DIMENSIONS (CONTINUED)

MODEL	# OF ELEMENTS	CARTRIDGE LENGTH	CONNECTION SIZE		DIMENSIONS														WEIGHT	
					A	B	C	D	E	F	G	H	I	J	K	L	M			
C1818	26	20"	2	IN	18.0	2.0	40.6	59.5	8.0	14.0	12.1	12.4	20.5	38.8	57.8	11.0	6.0	LBS	525	
				MM	457	51	1,032	1,511	203	356	308	314	521	986	1,467	279	152	KG	238	
			3	IN	18.0	3.0	42.7	61.6	10.0	14.0	12.1	12.4	20.5	39.9	58.9	11.0	6.0	LBS	535	
				MM	457	76	1,084	1,565	254	356	308	314	521	1,014	1,496	279	152	KG	243	
			4	IN	18.0	4.0	45.1	64.1	12.5	14.0	12.1	12.4	20.5	40.9	59.9	11.0	6.0	LBS	545	
				MM	457	102	1,146	1,627	318	356	308	314	521	1,040	1,521	279	152	KG	247	
		30"	2	IN	18.0	2.0	50.6	69.5	8.0	14.0	12.1	12.4	20.5	48.8	67.8	11.0	6.0	LBS	525	
				MM	457	51	1,286	1,765	203	356	308	314	521	1,240	1,721	279	152	KG	238	
			3	IN	18.0	3.0	52.7	71.6	10.0	14.0	12.1	12.4	20.5	49.9	68.9	11.0	6.0	LBS	535	
				MM	457	76	1,338	1,819	254	356	308	314	521	1,268	1,750	279	152	KG	243	
			4	IN	18.0	4.0	55.1	74.1	12.5	14.0	12.1	12.4	20.5	50.9	69.9	11.0	6.0	LBS	545	
				MM	457	102	1,400	1,881	318	356	308	314	521	1,294	1,775	279	152	KG	247	
		40"	2	IN	18.0	2.0	60.6	79.5	8.0	14.0	12.1	12.4	20.5	58.8	77.8	11.0	6.0	LBS	525	
				MM	457	51	1,540	2,019	203	356	308	314	521	1,494	1,975	279	152	KG	238	
			3	IN	18.0	3.0	62.7	81.6	10.0	14.0	12.1	12.4	20.5	59.9	78.9	11.0	6.0	LBS	535	
				MM	457	76	1,592	2,073	254	356	308	314	521	1,522	2,004	279	152	KG	243	
			4	IN	18.0	4.0	65.1	84.1	12.5	14.0	12.1	12.4	20.5	60.9	79.9	11.0	6.0	LBS	545	
				MM	457	102	1,654	2,135	318	356	308	314	521	1,548	2,029	279	152	KG	247	
C2424	50	20"	3	IN	24.0	3.0	43.9	64.3	10.0	17.0	15.2	16.7	20.5	41.2	61.6	13.0	6.0	LBS	625	
				MM	610	76	1,116	1,633	254	432	386	424	521	1,046	1,564	330	152	KG	283	
			4	IN	24.0	4.0	46.4	66.8	12.5	17.0	15.2	16.7	20.5	42.2	62.6	13.0	6.0	LBS	635	
				MM	610	102	1,178	1,695	318	432	386	424	521	1,072	1,589	330	152	KG	288	
			6	IN	24.0	6.0	50.3	70.6	16.5	17.0	15.2	16.7	20.5	44.3	64.6	13.0	6.0	LBS	645	
				MM	610	152	1,276	1,794	419	432	386	424	521	1,124	1,642	330	152	KG	293	
		30"	3	IN	24.0	3.0	53.9	74.3	10.0	17.0	15.2	16.7	20.5	51.2	71.6	13.0	6.0	LBS	625	
				MM	610	76	1,370	1,887	254	432	386	424	521	1,300	1,818	330	152	KG	283	
			4	IN	24.0	4.0	56.4	76.8	12.5	17.0	15.2	16.7	20.5	52.2	72.6	13.0	6.0	LBS	635	
				MM	610	102	1,432	1,949	318	432	386	424	521	1,326	1,843	330	152	KG	288	
			6	IN	24.0	6.0	60.3	80.6	16.5	17.0	15.2	16.7	20.5	54.3	74.6	13.0	6.0	LBS	645	
				MM	610	152	1,530	2,048	419	432	386	424	521	1,378	1,896	330	152	KG	293	
		40"	3	IN	24.0	3.0	63.9	84.3	10.0	17.0	15.2	16.7	20.5	61.2	81.6	13.0	6.0	LBS	625	
				MM	610	76	1,624	2,141	254	432	386	424	521	1,554	2,072	330	152	KG	283	
			4	IN	24.0	4.0	66.4	86.8	12.5	17.0	15.2	16.7	20.5	62.2	82.6	13.0	6.0	LBS	635	
				MM	610	102	1,686	2,203	318	432	386	424	521	1,580	2,097	330	152	KG	288	
			6	IN	24.0	6.0	70.3	90.6	16.5	17.0	15.2	16.7	20.5	64.3	84.6	13.0	6.0	LBS	645	
				MM	610	152	1,784	2,302	419	432	386	424	521	1,632	2,150	330	152	KG	293	

All dimensions are approximate. Dimensions are for carbon steel configurations.

continued >>

MULTI-ROUND SERIES

CARTRIDGE HOUSINGS

DIMENSIONS (CONTINUED)

MODEL	# OF ELEMENTS	CARTRIDGE LENGTH	CONNECTION SIZE		DIMENSIONS														WEIGHT	
					A	B	C	D	E	F	G	H	I	J	K	L	M			
C3030	78	20"	3	IN	30.0	3.0	48.9	70.8	10.0	20.0	18.2	20.9	20.5	46.1	68.0	13.0	6.0	LBS	665	
				MM	762	76	1,242	1,797	254	508	462	531	521	1,172	1,727	330	152	KG	302	
			4	IN	30.0	4.0	51.3	73.2	12.5	20.0	18.2	20.9	20.5	47.1	69.0	13.0	6.0	LBS	705	
				MM	762	102	1,303	1,859	318	508	462	531	521	1,197	1,753	330	152	KG	320	
			6	IN	30.0	6.0	55.3	77.1	16.5	20.0	18.2	20.9	20.5	49.2	71.1	13.0	6.0	LBS	850	
				MM	762	152	1,403	1,959	419	508	462	531	521	1,249	1,805	330	152	KG	385	
		30"	3	IN	30.0	3.0	58.9	80.8	10.0	20.0	18.2	20.9	20.5	56.1	78.0	13.0	6.0	LBS	665	
				MM	762	76	1,496	2,051	254	508	462	531	521	1,426	1,981	330	152	KG	302	
			4	IN	30.0	4.0	61.3	83.2	12.5	20.0	18.2	20.9	20.5	57.1	79.0	13.0	6.0	LBS	705	
				MM	762	102	1,557	2,113	318	508	462	531	521	1,451	2,007	330	152	KG	320	
			6	IN	30.0	6.0	65.3	87.1	16.5	20.0	18.2	20.9	20.5	59.2	81.1	13.0	6.0	LBS	850	
				MM	762	152	1,657	2,213	419	508	462	531	521	1,503	2,059	330	152	KG	385	
		40"	3	IN	30.0	3.0	68.9	90.8	10.0	20.0	18.2	20.9	20.5	66.1	88.0	13.0	6.0	LBS	665	
				MM	762	76	1,750	2,305	254	508	462	531	521	1,680	2,235	330	152	KG	302	
			4	IN	30.0	4.0	71.3	93.2	12.5	20.0	18.2	20.9	20.5	67.1	89.0	13.0	6.0	LBS	705	
				MM	762	102	1,811	2,367	318	508	462	531	521	1,705	2,261	330	152	KG	320	
			6	IN	30.0	6.0	75.3	97.1	16.5	20.0	18.2	20.9	20.5	69.2	91.1	13.0	6.0	LBS	850	
				MM	762	152	1,911	2,467	419	508	462	531	521	1,757	2,313	330	152	KG	385	
C3636	112	20"	4	IN	36.0	4.0	48.9	70.8	12.5	25.0	24.6	25.3	30.5	46.1	68.0	15.0	6.0	LBS	870	
				MM	914	102	1,242	1,797	318	635	624	643	775	1,172	1,727	381	152	KG	395	
			6	IN	36.0	6.0	51.3	73.2	16.5	25.0	24.6	25.3	30.5	47.1	69.0	15.0	6.0	LBS	1,010	
				MM	914	152	1,303	1,859	419	635	624	643	775	1,197	1,753	381	152	KG	458	
			8	IN	36.0	8.0	55.3	77.1	20.8	25.0	24.6	25.3	30.5	49.2	71.1	15.0	6.0	LBS	1,150	
				MM	914	203	1,403	1,959	528	635	624	643	775	1,249	1,805	381	152	KG	522	
		30"	4	IN	36.0	4.0	58.9	80.8	10.0	20.0	18.2	20.9	20.5	56.1	78.0	13.0	6.0	LBS	870	
				MM	914	102	1,496	2,051	254	508	462	531	521	1,426	1,981	330	152	KG	395	
			6	IN	36.0	6.0	61.3	83.2	12.5	20.0	18.2	20.9	20.5	57.1	79.0	13.0	6.0	LBS	1,010	
				MM	914	152	1,557	2,113	318	508	462	531	521	1,451	2,007	330	152	KG	458	
			8	IN	36.0	8.0	65.3	87.1	16.5	20.0	18.2	20.9	20.5	59.2	81.1	13.0	6.0	LBS	1,150	
				MM	914	203	1,657	2,213	419	508	462	531	521	1,503	2,059	330	152	KG	522	
		40"	4	IN	36.0	4.0	74.7	99.6	12.5	25.0	24.6	25.3	30.5	68.2	93.1	15.0	6.0	LBS	870	
				MM	914	102	1,897	2,531	318	635	623.8	643	775	1,732	2,366	381	152	KG	395	
			6	IN	36.0	6.0	78.9	103.8	16.5	25.0	24.6	25.3	30.5	70.3	95.3	15.0	6.0	LBS	1,010	
				MM	914	152	2,004	2,637	419	635	624	643	775	1,786	2,419	381	152	KG	458	
			8	IN	36.0	8.0	83.1	108.1	20.8	25.0	24.6	25.3	30.5	72.3	97.3	15.0	6.0	LBS	1,150	
				MM	914	203	2,112	2,747	528	635	624	643	775	1,837	2,470	381	152	KG	522	

All dimensions are approximate. Dimensions are for carbon steel configurations.

continued >>

MULTI-ROUND SERIES

CARTRIDGE HOUSINGS

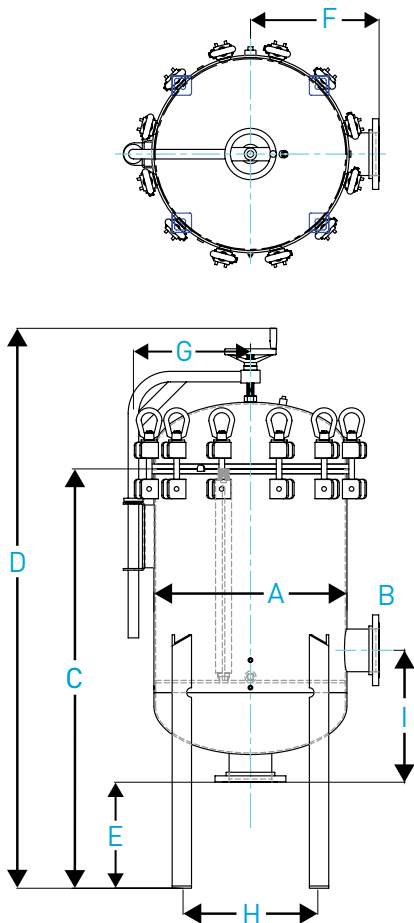
DIMENSIONS (CONTINUED)

MODEL	# OF ELEMENTS	CARTRIDGE LENGTH	CONNECTION SIZE		DIMENSIONS														WEIGHT	
					A	B	C	D	E	F	G	H	I	J	K	L	M			
C4242	155	20"	6	IN	42.0	6.0	60.8	87.7	16.5	28.0	27.6	29.5	30.5	52.2	79.2	15.0	6.0	LBS	1,960	
				MM	1,067	152	1,543	2,227	419	711	702	749	775	1,326	2,011	381	152	KG	889	
			8	IN	42.0	8.0	65.0	91.9	20.8	28.0	27.6	29.5	30.5	54.2	81.1	15.0	6.0	LBS	2,070	
				MM	1,067	203	1,651	2,335	528	711	701	749	775	1,376	2,061	381	152	KG	939	
			10	IN	42.0	10.0	69.0	95.9	25.0	28.0	27.6	29.5	30.5	56.3	83.3	15.0	6.0	LBS	2,200	
				MM	1,067	254	1,753	2,437	635	711	701	749	775	1,430	2,115	381	152	KG	998	
		30"	6	IN	42.0	6.0	70.8	97.7	16.5	28.0	27.6	29.5	30.5	62.2	89.2	15.0	6.0	LBS	1,960	
				MM	1,067	152	1,797	2,481	419	711	702	749	775	1,580	2,265	381	152	KG	889	
			8	IN	42.0	8.0	75.0	101.9	20.8	28.0	27.6	29.5	30.5	64.2	91.1	15.0	6.0	LBS	2,070	
				MM	1,067	203	1,905	2,589	528	711	701	749	775	1,630	2,315	381	152	KG	939	
			10	IN	42.0	10.0	79.0	105.9	25.0	28.0	27.6	29.5	30.5	66.3	93.3	15.0	6.0	LBS	2,200	
				MM	1,067	254	2,007	2,691	635	711	701	749	775	1,684	2,369	381	152	KG	998	
		40"	6	IN	42.0	6.0	80.8	107.7	16.5	28.0	27.6	29.5	30.5	72.2	99.2	15.0	6.0	LBS	1,960	
				MM	1,067	152	2,051	2,735	419	711	702	749	775	1,834	2,519	381	152	KG	889	
			8	IN	42.0	8.0	85.0	111.9	20.8	28.0	27.6	29.5	30.5	74.2	101.1	15.0	6.0	LBS	2,070	
				MM	1,067	203	2,159	2,843	528	711	701	749	775	1,884	2,569	381	152	KG	939	
			10	IN	42.0	10.0	89.0	115.9	25.0	28.0	27.6	29.5	30.5	76.3	103.3	15.0	6.0	LBS	2,200	
				MM	1,067	254	2,261	2,945	635	711	701	749	775	1,938	2,623	381	152	KG	998	
C4848	205	20"	8	IN	48.0	8.0	66.6	95.1	20.8	31.0	30.6	33.2	30.5	55.8	84.2	17.0	6.0	LBS	2,200	
				MM	1,219	203	1,692	2,415	528	787	776	843	775	1,416	2,138	432	152	KG	998	
			10	IN	48.0	10.0	70.6	99.1	25.0	31.0	30.6	33.2	30.5	57.9	86.3	17.0	6.0	LBS	2,350	
				MM	1,219	254	1,794	2,516	635	787	776	843	775	1,470	2,192	432	152	KG	1,066	
			12	IN	48.0	12.0	75.0	103.4	29.5	31.0	30.6	33.2	30.5	59.9	88.3	17.0	6.0	LBS	2,530	
				MM	1,219	305	1,905	2,627	749	787	776	843	775	1,521	2,243	432	152	KG	1,147	
		30"	8	IN	48.0	8.0	76.6	105.1	20.8	31.0	30.6	33.2	30.5	65.8	94.2	17.0	6.0	LBS	2,200	
				MM	1,219	203	1,946	2,669	528	787	776	843	775	1,670	2,392	432	152	KG	998	
			10	IN	48.0	10.0	80.6	109.1	25.0	31.0	30.6	33.2	30.5	67.9	96.3	17.0	6.0	LBS	2,350	
				MM	1,219	254	2,048	2,770	635	787	776	843	775	1,724	2,446	432	152	KG	1,066	
			12	IN	48.0	12.0	85.0	113.4	29.5	31.0	30.6	33.2	30.5	69.9	98.3	17.0	6.0	LBS	2,530	
				MM	1,219	305	2,159	2,881	749	787	776	843	775	1,775	2,497	432	152	KG	1,147	
		40"	8	IN	48.0	8.0	86.6	115.1	20.8	31.0	30.6	33.2	30.5	75.8	104.2	17.0	6.0	LBS	2,200	
				MM	1,219	203	2,200	2,923	528	787	776	843	775	1,924	2,646	432	152	KG	998	
			10	IN	48.0	10.0	90.6	119.1	25.0	31.0	30.6	33.2	30.5	77.9	106.3	17.0	6.0	LBS	2,350	
				MM	1,219	254	2,302	3,024	635	787	776	843	775	1,978	2,700	432	152	KG	1,066	
			12	IN	48.0	12.0	95.0	123.4	29.5	31.0	30.6	33.2	30.5	79.9	108.3	17.0	6.0	LBS	2,530	
				MM	1,219	305	2,413	3,135	749	787	776	843	775	2,029	2,751	432	152	KG	1,147	

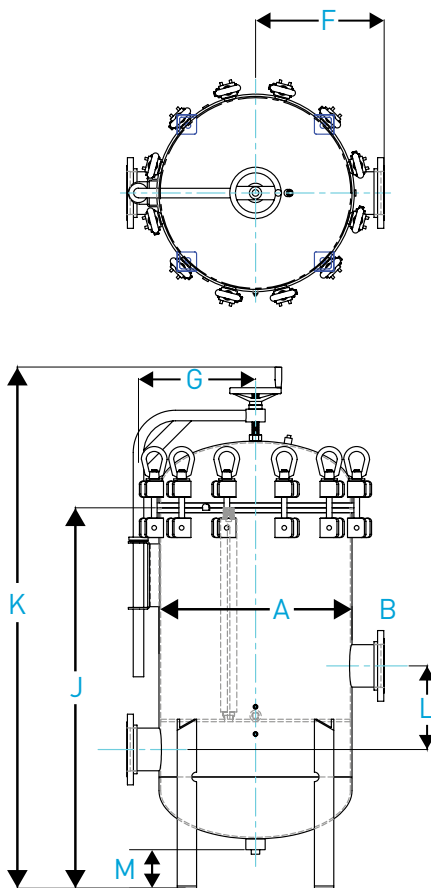
All dimensions are approximate. Dimensions are for carbon steel configurations.

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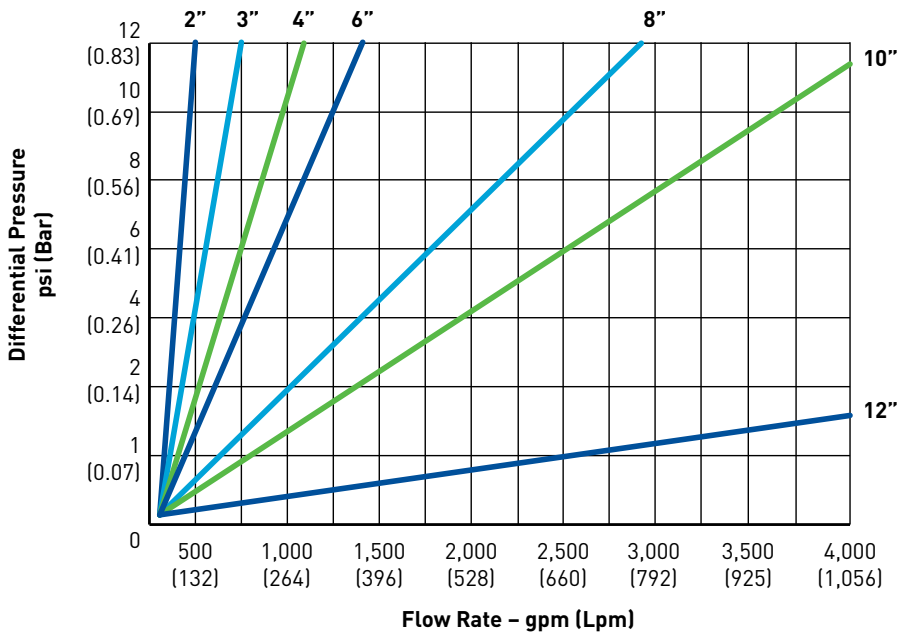
STYLE A - BOTTOM OUTLET



STYLE B - SIDE OUTLET



PRESSURE DROP VS FLOW RATE



continued >>

MULTI-ROUND SERIES

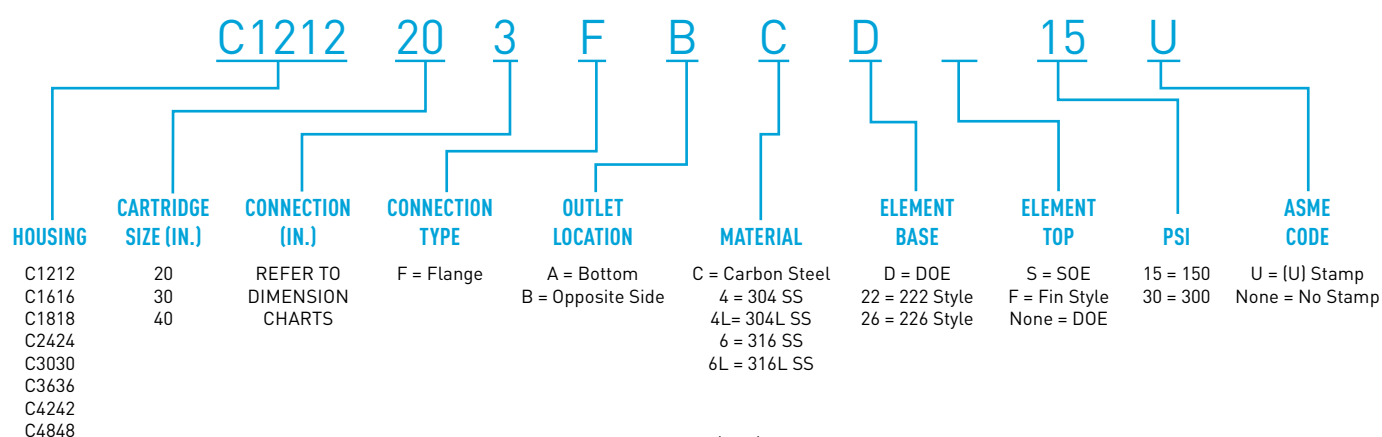
CARTRIDGE HOUSINGS

ORDERING INFORMATION

To create your ordering part number, use the part number configurator below.
Custom configurations available. Please contact customer service.

HOUSING EXAMPLE: C1212203FBCD15U

C1212 Housing [C1212], 20" cartridge [20], 3" [3]
Flange connection [F], Outlet connection located on opposite sides [B], Carbon steel [C]
Double open ended element [D], 150 psi [15], ASME Code [U] Stamp [U]



¹Note: If double open end [DOE], it is only required once in the part number and will specify both top and base.
Cartridges are not included but must be specified as to the type using when ordering the housing.
Carbon steel not recommended for water use as the epoxy coating is not designed as a corrosion inhibitor.

INDUSTRIAL SH SERIES SANITARY HOUSINGS



SH Series sanitary housings are designed to meet the sanitary requirements for liquid filtration in food and beverage, pharmaceutical and other high purity industries. Offered in both single round and multi-round configurations, the SH Series housings feature T-line installation, 316L stainless steel wetted parts and a 20Ra internal finish.

FEATURES/BENEFITS

- Accepts Code 7 (226/Fin) or Code 8 (222/Fin) cartridges
- Accommodates 10", 20", 30" and 40" cartridge lengths
- Wide variety of inlet, outlet, drain and vent connections available
- Fully drainable design
- 1 to 21 round designs and custom configurations
- Each housing is factory hydro-tested

CRN approved – Quebec, Ontario

APPLICATIONS

- Food and Beverage
- Pharmaceutical
- Chemical
- Water



SPECIFICATIONS

Pressure Rating	145 psi @ 77°F (10 bar @ 25°C); 46 psi @ 293°F (3.2 bar @ 145°C)
Housing	316L Stainless Steel
Housing Closure	304 Stainless Steel, tri-clamp and swing bolt
Surface Finish	Wetted Surfaces: 20Ra µin (0.5 µm) electropolished External: 32Ra µin (0.8 µm) electropolished
Inlet/Outlet Connections	1", 1.5", 2" ferrule; 1", 2", butt weld
Vent/Gauge port	plunger, butt weld, ½" ferrule or no vent
Drain	plunger, butt weld, ½" ferrule or no drain
Gasket	Silicone standard, EPDM, FKM and PTFE optional

INDUSTRIAL SH SERIES

SANITARY HOUSINGS

ACCESSORIES

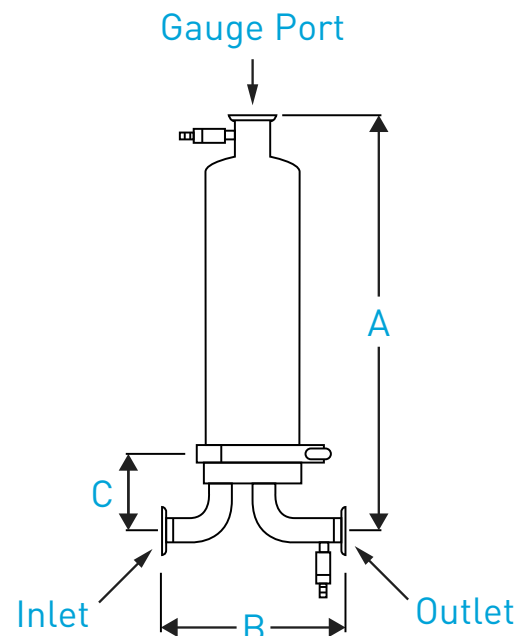
Mounting legs
Handles
Lifting lugs

STERILIZATION

In-line steam
Autoclave
Hot water

DIMENSIONS

SINGLE ROUND CARTRIDGE LENGTH		DIMENSIONS			INTERNAL VOLUME (LITERS)	WEIGHT	
		A	B	C			
10	IN	17.72	7.95	3.27	2.54	LBS	11
	MM	450	202	83		KG	5.0
20	IN	27.72	7.95	3.27	4.43	LBS	14
	MM	704	202	83		KG	6.4
30	IN	37.21	7.95	3.27	6.3	LBS	16.8
	MM	945	202	83		KG	7.6
40	IN	47.21	7.95	3.27	8.2	LBS	19
	MM	1199	202	83		KG	8.6



ORDERING INFORMATION

To create your ordering part number, use the part number configurator below.
Custom configurations available. Please contact customer service.

HOUSING EXAMPLE: SH120F61TC22SH

SH housing (SH), 1 cartridge (1), 20" length (20), 226/Fin (F6), 1" (1), TC connection (TC),
plunger valve vent (2), plunger valve drain (2), silicone gasket (S), handles (H)

HOUSING	# OF CARTRIDGES	CARTRIDGE LENGTH (IN.)	CARTRIDGE TYPE	CONNECTION SIZE (IN.)	CONNECTION TYPE	VENT TYPE	DRAIN TYPE	SEAL	OPTIONS
SH	1	10	F6 = Code 7 (226/Fin)	1	TC	1 = none	1 = none	S = Silicone	H = Handles
	3	20	F2 = Code 8 (222/Fin)	1.5	BW	2 = plunger valve	2 = plunger valve	E = EPDM	L = Legs
	4	30		2		3 = TC	3 = TC	V = FKM	LL = lifting lugs
	5	40		3		4 = BW	4 = BW	T = PTFE	
	7			4					
	9								
	10								
	12								
	21								

ST SERIES

CARTRIDGE HOUSINGS



ST Series Stainless Steel Cartridge Housings effectively provide heavy-duty filtration for smaller filtration systems and point-of-use applications.

FEATURES/BENEFITS

Flow rates of up to 20 gpm (76 Lpm)
at 275°F (135°C)
Heavy duty construction
Brushed 304 Stainless Steel sump with a
cast brass/nickel plated head
Accepts complete range of standard
double open end (DOE) cartridges

Easy to install and maintain
Compatible with a complete range of
filter cartridges

APPLICATIONS

Hot water
Point of use

OPTIONS

Sumps available with either a pipe plug
or pet-cock in the bottom for draining

SPECIFICATIONS

Housing	Brushed 304 Stainless Steel
Head	Brass/Nickel plated
Max. Temperature	275°F (135°C)
Pipe Size	3/4" NPT
Sealing Gaskets	Buna-N, Cellulose Fiber

WARNING: For drinking water applications, do not use with 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.

MODEL	MAXIMUM DIMENSIONS	FLOW RATE (GPM)	PRESSURE
ST-1	13.75" x 4.125" (349 mm x 105 mm)	10 gpm (38 Lpm)	250 PSI (17.2 bar)
ST-2	23.88" x 4.125" (607 mm x 105 mm)	15 gpm (57 Lpm)	250 PSI (17.2 bar)
ST-3	33.88" x 4.125" (861 mm x 105 mm)	20 gpm (76 Lpm)	250 PSI (17.2 bar)

Maximum cartridge diameter 3" (76 mm).
Will not accept GAC, CC, CGAC, TSGAC, WS, PCF or PCC Series Cartridges.



INDUSTRIAL HOUSINGS - BAG

WATER QUALITY SYSTEMS

L44

BAG HOUSINGS



L44 Single Liquid Bag Housings effectively remove dirt, pipe scale, and other substances from process liquids. Quality construction and design assure protection for all downstream equipment.

Unfiltered liquid enters the housing above the filter bag or strainer basket; fills the interior of the housing; and continues through the bag or strainer basket. Solids are trapped inside the filter bag or strainer and easily removed when the housing is serviced.

FEATURES/BENEFITS

Flow rates up to 50 gpm (189.3 Lpm)
 Two lengths available, 6" and 12" (152 and 305 mm) depending upon the required surface area and volume of fluid to be filtered
 150, 300 and 500 PSI (10.3, 20.7 and 34.5 bar) pressure ratings
 500 PSI (34.5 bar) housings have slip and blind flange lid
 Carbon Steel or Stainless Steel construction
 Each housing is factory hydro-tested
 Low pressure drop

Zinc-plated quick-swing closure with eye nuts
 FKM lid seal
 Differential, drain, and vent ports
 304 Stainless Steel strainer basket for 304 Stainless Steel housings and Carbon Steel housings
 316 Stainless Steel strainer basket for 316 Stainless Steel housings
 Accepts #3-size and #4-size bag filters
 Two-part epoxy paint finish inside and outside on carbon steel housings

APPLICATIONS

Chemical
 General Industrial
 Oil and Gas
 Water

OPTIONS

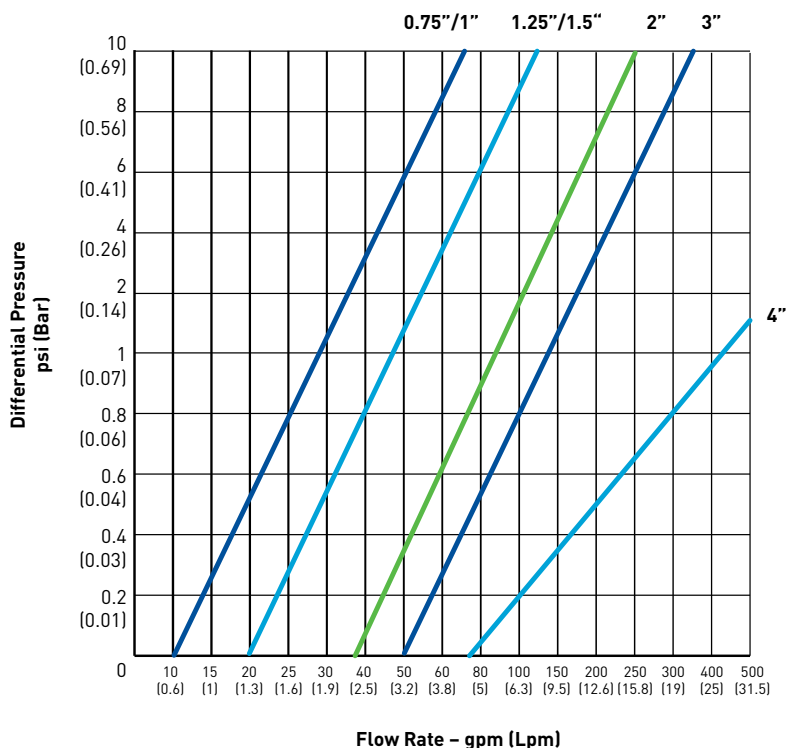
Mesh-lined strainer baskets
 Alternative O-ring materials
 Adjustable support legs
 ASME code U or UM
 Positive hold down spring

L44 BAG HOUSINGS

SPECIFICATIONS

Pressure Rating	150 psi @ 300°F (10.3 bar @ 148.9°C) (up to 500 psi [34.5 bar] optional)
Connections	¾", 1", 1¼", 1½" or 2" NPT or flange
Housing Lid	Zinc-plated 3-bolt swing closure with ¼" NPT vent port
Lid & Basket Seals	FKM O-ring
Pressure Ports	Two ¼" NPT
Construction/Finish	Carbon steel w/2-part epoxy finish inside & outside 304 or 316 Stainless steel w/satin finish outside
Basket Material	304 Stainless Steel strainer basket with 9/64" perforations for 304 Stainless Steel housings and Carbon Steel housings 316 Stainless Steel strainer basket with 9/64" perforations for 316 Stainless Steel housings
Bag Sizes	#3 and #4
Base	Adjustable tripod leg assembly optional

PRESSURE DROP VS FLOW RATE



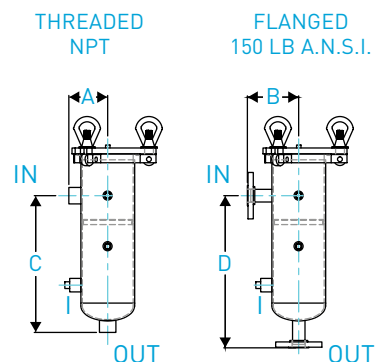
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L44

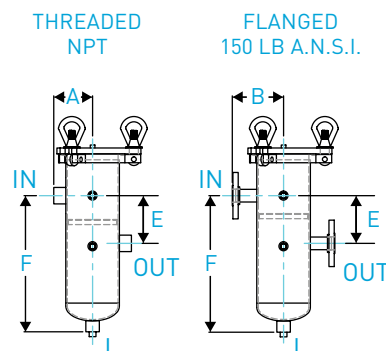
BAG HOUSINGS

DIMENSIONS

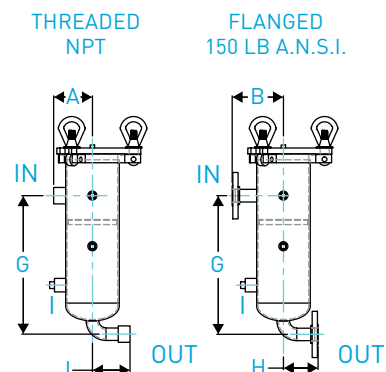
STYLE A - BOTTOM OUTLET



STYLE B - SIDE OUTLET



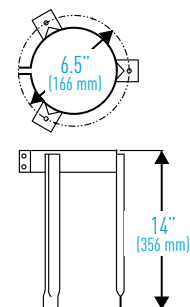
STYLE C - BOTTOM OUTLET 90°



L44-6

CONNECTION SIZE	DIMENSIONS											WEIGHT	
		A	B	C	D	E	F	G	H	I	J		
0.75"	IN	3.3	4.3	11.4	12.8	4.0	11.4	11.6	2.9	0.5	3.1	LBS	28
	MM	83	109	291	324	102	291	295	73	13	80	KG	13
1.0"	IN	3.3	4.3	11.6	12.8	4.0	11.4	12.0	3.3	0.5	2.7	LBS	28
	MM	83	109	295	324	102	291	305	84	13	68	KG	13
1.25"	IN	3.3	4.3	11.7	12.8	4.0	11.4	12.3	3.2	0.5	3.2	LBS	28
	MM	83	109	297	324	102	291	313	81	13	81	KG	13
1.50"	IN	3.4	4.3	11.9	12.8	4.0	11.4	12.7	3.6	0.5	3.8	LBS	28
	MM	87	109	303	324	102	291	322	92	13	97	KG	13
2.0"	IN	3.5	4.3	12.0	12.8	4.0	11.4	13.4	4.5	0.5	4.7	LBS	28
	MM	89	114	305	324	102	291	340	114	13	119	KG	13

OPTIONAL ADJUSTABLE LEGS



L44-12

CONNECTION SIZE	DIMENSIONS											WEIGHT	
		A	B	C	D	E	F	G	H	I	J		
0.75"	IN	3.3	4.3	16.4	17.9	4.0	16.4	16.6	2.9	0.5	3.1	LBS	32
	MM	83	109	418	454	102	418	422	73	13	80	KG	15
1.0"	IN	3.3	4.3	16.6	17.9	4.0	16.4	17.0	3.3	0.5	2.7	LBS	32
	MM	83	109	422	454	102	418	432	84	13	68	KG	15
1.25"	IN	3.3	4.3	16.7	17.9	4.0	16.4	17.3	3.2	0.5	3.2	LBS	32
	MM	83	109	424	454	102	418	440	81	13	81	KG	15
1.50"	IN	3.4	4.3	16.9	17.9	4.0	16.4	17.7	3.6	0.5	3.8	LBS	32
	MM	87	109	430	454	102	418	449	92	13	97	KG	15
2.0"	IN	3.5	4.3	17.0	17.9	4.0	16.4	18.4	4.5	0.5	4.7	LBS	32
	MM	89	109	432	454	102	418	467	114	13	119	KG	15

All dimensions are approximate.
Dimensions are for carbon steel configurations.

BASKET DATA

DEPTH		DIAMETER		SURFACE AREA		VOLUME	
IN	6.0	IN	3.9	FT. ²	0.5	IN ³	65
MM	152	MM	99	M ²	0.05	CM ³	1,065
IN	12.0	IN	4.3	FT. ²	1.0	IN ³	130
MM	305	MM	109	M ²	0.09	CM ³	2,130

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L44

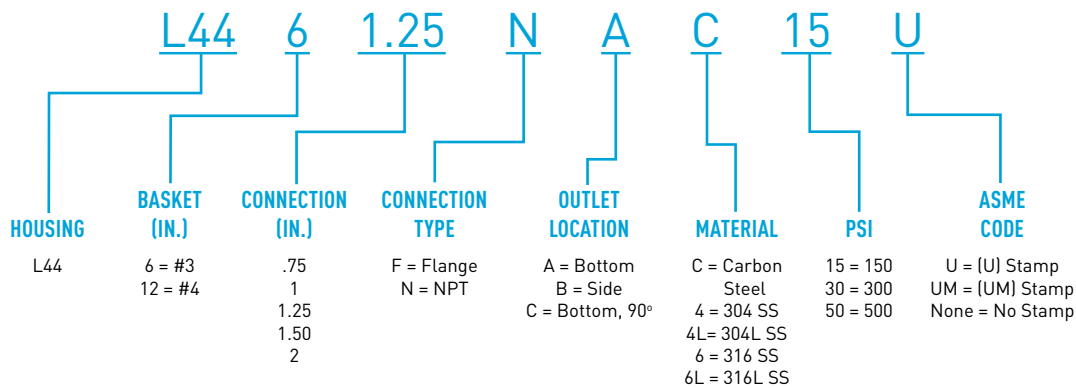
BAG HOUSINGS

ORDERING INFORMATION

To create your ordering part number, use the part number configurator below.
Custom configurations available. Please contact customer service.
Carbon steel not recommended for water use as the epoxy coating is not designed as a corrosion inhibitor.

HOUSING EXAMPLE: L4461.25NAC15U

L44 Housing (L44), #3 standard basket (6), 1.25" (1.25), NPT connection (N)
Outlet located on bottom (A), Carbon steel (C), 150 psi (15), ASME Code (U) Stamp (U)



L66

BAG HOUSINGS



L66 Single Liquid Bag Housings effectively remove dirt, pipe scale, and other substances from process liquids. Quality construction and design assure clean effluent and protection for all downstream equipment.

Unfiltered liquid enters the housing above the filter bag or strainer basket, fills the interior of the housing and continues through the bag or strainer basket. Solids are trapped inside the filter bag or strainer and easily removed when the housing is serviced. The standard O-ring seal between the basket and the housing ensures a positive seal to prevent bypass.

FEATURES/BENEFITS

Flow rates up to 100 gpm (378.5 Lpm)
150 and 300 PSI (10.3 and 20.7 bar)
pressure ratings
Two lengths available, 18" and 30" (457 mm and 762 mm) housing, depending upon the required surface area and volume of fluid to be filtered
Carbon Steel or Stainless Steel construction
Each housing is factory hydro-tested
Low pressure drop
Zinc-plated quick-swing closure with eye nuts
300 PSI housings have slip and blind flange lid

FKM seals — lid & basket
Differential, drain, and vent ports
304 Stainless Steel strainer basket for 304 Stainless Steel housings and Carbon Steel housings
316 Stainless Steel strainer basket for 316 Stainless Steel housings
Accepts #8-size and #9-size bag filters
Two-part epoxy paint finish on carbon steel housings, inside and outside
Adjustable support legs

APPLICATIONS

Chemical
General Industrial
Oil and Gas
Water

OPTIONS

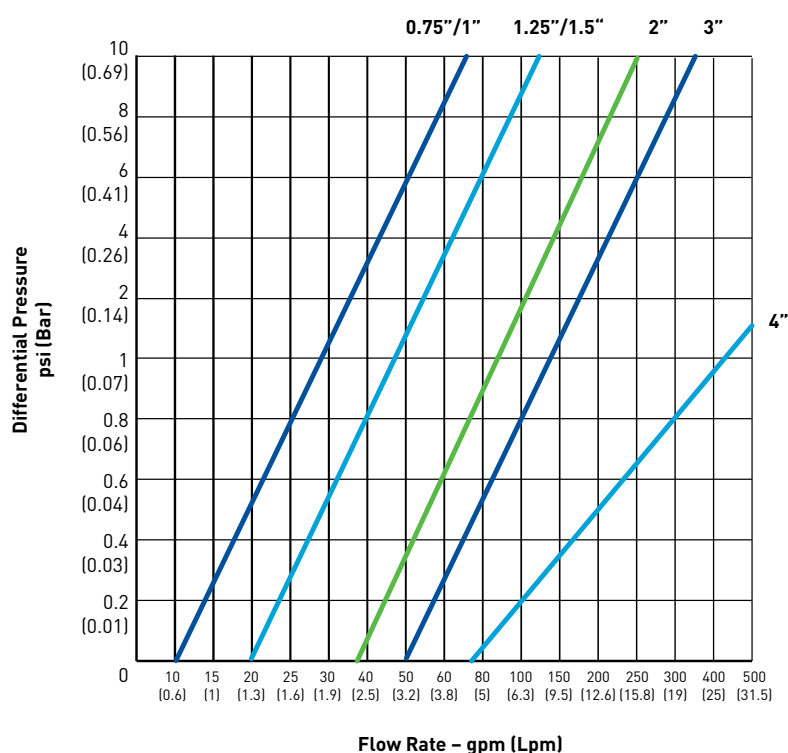
Mesh-lined strainer baskets
Alternative O-ring materials
ASME code U or UM
Positive hold down spring

L66 BAG HOUSINGS

SPECIFICATIONS

Pressure Rating	150 psi @ 300°F (10.3 bar @ 148.9°C) (up to 300 psi (34.5 bar) optional)
Connections	1", 1¼", 1½", 2" or 3" NPT or flange
Housing Lid	Zinc-plated 3-bolt swing closure with ¼" NPT vent port
Lid & Basket Seals	FKM O-ring
Inlets/Outlets	Side inlet/bottom outlet, Side inlet/side outlet, Side inlet/90° bottom outlet
Pressure Ports	Two ¼" NPT
Construction/Finish	Carbon steel w/2-part epoxy finish inside & outside 304 or 316 Stainless steel w/satin finish on outside
Basket Material	304 Stainless Steel strainer basket with 9/64" perforations for 304 Stainless Steel housings and Carbon Steel housings 316 Stainless Steel strainer basket with 9/64" perforations for 316 Stainless Steel housings
Bag Sizes	#8 and #9
Base	Adjustable tripod leg assembly

PRESSURE DROP VS FLOW RATE



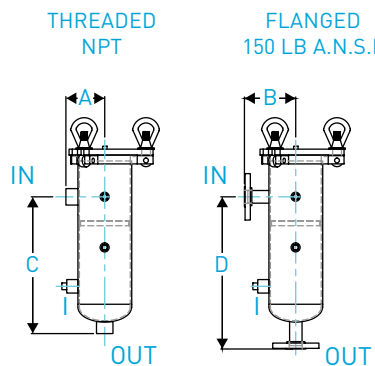
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L66

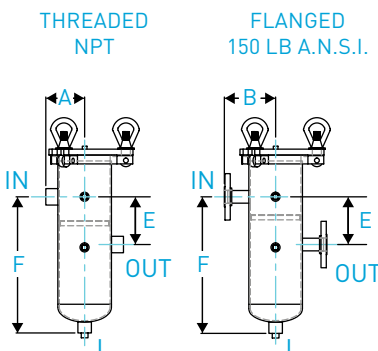
BAG HOUSINGS

DIMENSIONS

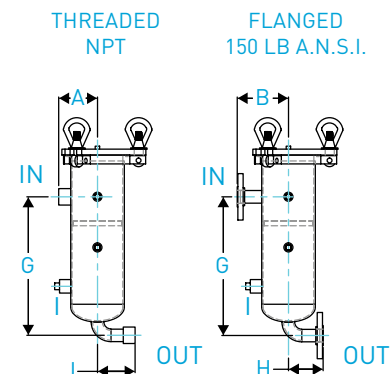
STYLE A - BOTTOM OUTLET



STYLE B - SIDE OUTLET



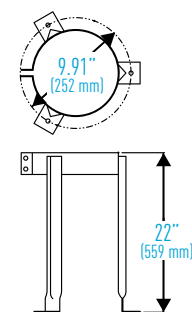
STYLE C - BOTTOM OUTLET 90°



L66-18

CONNECTION SIZE	DIMENSIONS											WEIGHT	
		A	B	C	D	E	F	G	H	I	J		
1.0"	IN	4.5	5.4	24.1	25.3	7.0	24.0	24.5	3.8	0.75	3.6	LBS	90
	MM	114	137	613	641	178	610	622	95	19	90	KG	41
1.25"	IN	4.6	5.4	24.3	25.3	7.0	24.0	24.8	4.0	0.75	3.2	LBS	90
	MM	118	137	616	641	178	610	630	102	19	81	KG	41
1.50"	IN	4.7	5.4	24.5	25.2	7.0	24.0	25.2	4.6	0.75	3.8	LBS	90
	MM	119	137	622	640	178	610	640	116	19	97	KG	41
2.0"	IN	4.7	5.4	24.6	25.3	7.0	24.0	25.9	4.8	0.75	4.7	LBS	90
	MM	119	137	624	643	178	610	659	121	19	119	KG	41
3.0"	IN	4.8	5.5	24.9	25.4	7.0	24.0	27.3	5.4	0.75	6.6	LBS	90
	MM	122	140	632	646	178	610	694	137	19	168	KG	41

ADJUSTABLE LEGS



L66-30

CONNECTION SIZE	DIMENSIONS											WEIGHT	
		A	B	C	D	E	F	G	H	I	J		
1.0"	IN	4.5	5.4	34.1	35.3	7.0	34.0	34.5	3.8	0.75	3.6	LBS	115
	MM	114	137	867	895	178	864	876	95	19	90	KG	52
1.25"	IN	4.6	5.4	34.3	35.3	7.0	34.0	34.8	4.0	0.75	3.2	LBS	115
	MM	118	137	870	895	178	864	884	102	19	81	KG	52
1.50"	IN	4.7	5.4	34.5	35.2	7.0	34.0	35.2	4.6	0.75	3.8	LBS	115
	MM	119	137	876	894	178	864	894	116	19	97	KG	52
2.0"	IN	4.7	5.4	34.6	35.4	7.0	34.0	35.9	4.8	0.75	4.7	LBS	115
	MM	119	140	878	899	178	864	912	121	19	119	KG	52
3.0"	IN	4.8	5.5	34.9	35.4	7.0	34.0	37.3	5.4	0.75	6.6	LBS	115
	MM	122	140	886	900	178	864	948	137	19	168	KG	52

All dimensions are approximate.
Dimensions are for carbon steel configurations.

BASKET DATA

DEPTH		DIAMETER		SURFACE AREA		VOLUME	
IN	18.0	IN	5.0	FT ²	2.0	IN ³	350
MM	457	MM	127	M ²	0.19	CM ³	5,735
IN	30.0	IN	5.0	FT ²	3.4	IN ³	630
MM	762	MM	127	M ²	0.32	CM ³	10,324

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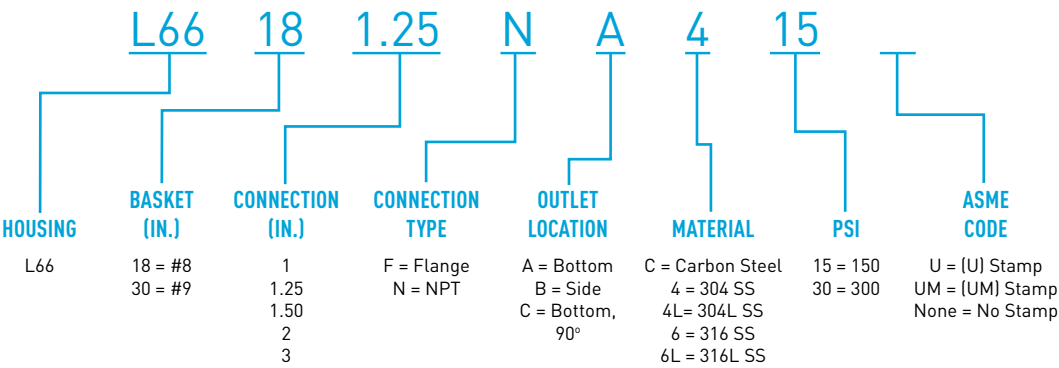
L66
BAG HOUSINGS

ORDERING INFORMATION

To create your ordering part number, use the part number configurator below.
Custom configurations available. Please contact customer service.
Carbon steel not recommended for water use as the epoxy coating is not designed as a corrosion inhibitor.

HOUSING EXAMPLE: L66181.25NA415

L66 Housing (L66), #8 standard basket (18), 1.25" (1.25), NPT connection (N)
Outlet located on bottom (A), 304 Stainless Steel (4), 150 psi (15)



L88

BAG HOUSINGS



L88 Single Liquid Bag Housings effectively remove dirt, pipe scale, and other substances from process liquids. Quality construction and design assure clean effluent and protection for all downstream equipment.

Unfiltered liquid enters the housing above the filter bag or strainer basket, fills the interior of the housing and continues through the bag or strainer basket. Solids are trapped inside the filter bag or strainer and easily removed when the housing is serviced. The standard O-ring seal between the basket and the housing ensures a positive seal to prevent bypass.

FEATURES/BENEFITS

Flow rates up to 220 gpm (832.7 Lpm)
150 and 300 PSI (10.3 and 20.7 bar) pressure ratings
Two lengths available, a 15" or a 30" (381 and 762 mm) housing, depending upon the required surface area and volume of fluid to be filtered
Carbon Steel or Stainless Steel construction
Each housing is factory hydro-tested
Low pressure drop
Zinc-plated quick-swing closure with eye nuts
300 PSI (20.7 bar) housing has slip and blind flange lid

FKM seals — lid & basket
Differential, drain, and vent ports
304 Stainless Steel strainer basket for 304 Stainless Steel housings and Carbon Steel housings
316 Stainless Steel strainer basket for 316 Stainless Steel housings
Accepts #1-size and #2-size bag filters
Two-part epoxy paint finish on carbon steel housings, inside and outside
Adjustable support legs

APPLICATIONS

Chemical
General Industrial
Oil and Gas
Water

OPTIONS

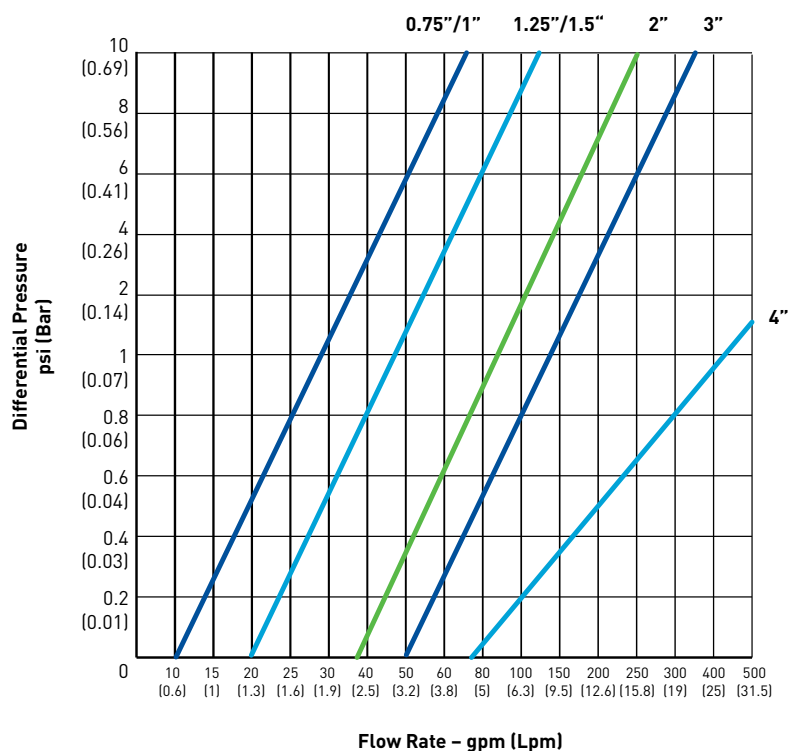
Mesh-lined strainer baskets
Alternative O-ring materials
ASME code U or UM
Positive hold down spring

L88 BAG HOUSINGS

SPECIFICATIONS

Pressure Rating	150 psi @ 300°F (10.3 bar @ 148.9°C) (up to 300 (34.5 bar) psi optional)
Connections	2", 3" or 4" NPT or flange
Housing Lid	Zinc-plated 3-bolt swing closure with 1/4" NPT vent port
Lid & Basket Seals	FKM O-ring
Inlets/Outlets	Side inlet/bottom outlet, Side inlet/side outlet, Side inlet/90° bottom outlet
Pressure Ports	Two differential ports measure pressure across filter bag
Construction/Finish	Carbon steel w/2-part epoxy finish inside & outside 304 or 316 Stainless steel w/satin finish on outside
Basket Material	304 Stainless Steel strainer basket with 9/64" perforations for 304 Stainless Steel housings and Carbon Steel housings 316 Stainless Steel strainer basket with 9/64" perforations for 316 Stainless Steel housings
Bag Sizes	#1 and #2
Base	Adjustable tripod leg assembly

PRESSURE DROP VS FLOW RATE



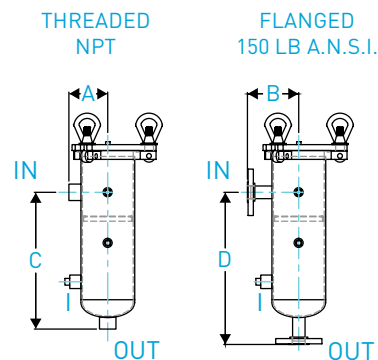
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L88

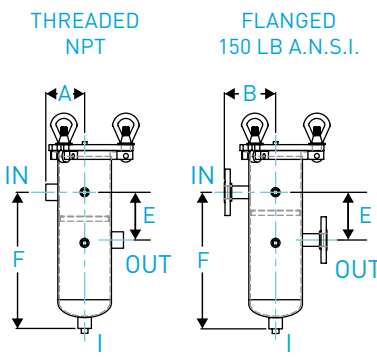
BAG HOUSINGS

DIMENSIONS

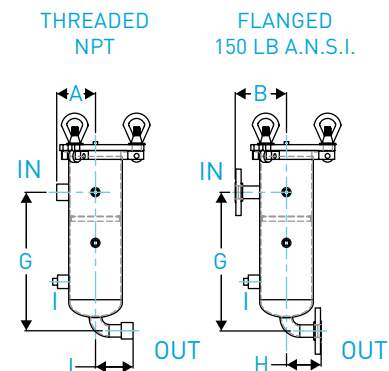
STYLE A - BOTTOM OUTLET



STYLE B - SIDE OUTLET



STYLE C - BOTTOM OUTLET 90°



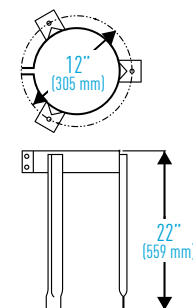
L88-15

CONNECTION SIZE		DIMENSIONS										WEIGHT	
		A	B	C	D	E	F	G	H	I	J		
2.0"	IN	5.8	6.8	23.4	25.6	7.0	23.0	24.8	4.5	1.0	4.7	LBS	105
	MM	148	171	595	651	178	584	629	114	25	119	KG	48
3.0"	IN	5.9	7.1	23.8	25.0	7.0	23.0	26.2	6	1.0	6.6	LBS	107
	MM	149	181	603	635	178	584	665	152	25	168	KG	49
4.0"	IN	5.7	7.1	23.9	24.8	7.0	23.0	27.6	6.8	1.0	8.3	LBS	112
	MM	145	181	607	630	178	584	702	173	25	210	KG	51

L88-30

CONNECTION SIZE		DIMENSIONS										WEIGHT	
		A	B	C	D	E	F	G	H	I	J		
2.0"	IN	5.8	6.8	35.2	37.4	7.0	34.8	36.5	4.5	1.0	4.7	LBS	130
	MM	148	171	894	949	178	883	927	114	25	119	KG	59
3.0"	IN	5.9	7.1	35.8	36.8	7.0	34.8	37.9	6	1.0	6.6	LBS	132
	MM	149	181	908	933	178	883	964	152	25	168	KG	60
4.0"	IN	5.7	7.1	35.6	36.6	7.0	34.8	39.3	6.8	1.0	8.3	LBS	137
	MM	145	181	905	929	178	883	998	173	25	210	KG	62

ADJUSTABLE LEGS



All dimensions are approximate.
Dimensions are for carbon steel configurations.

BASKET DATA

DEPTH		DIAMETER		SURFACE AREA		VOLUME	
IN	15.0	IN	6.7	FT. ²	2.3	IN ³	500
MM	381	MM	170	M ²	0.21	CM ³	8194
IN	30.0	IN	6.7	FT. ²	4.4	IN ³	1,000
MM	762	MM	170	M ²	0.41	CM ³	16,387

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L88

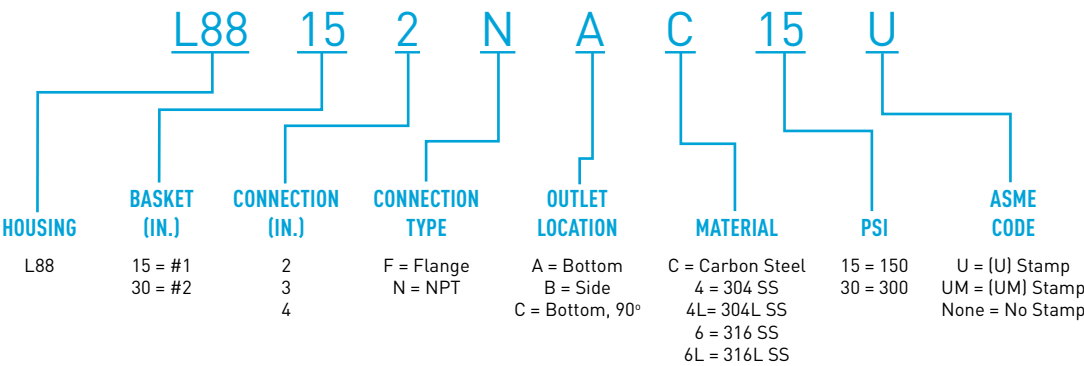
BAG HOUSINGS

ORDERING INFORMATION

To create your ordering part number, use the part number configurator below.
Custom configurations available. Please contact customer service.
Carbon steel not recommended for water use as the epoxy coating is not designed as a corrosion inhibitor.

HOUSING EXAMPLE: L88152NAC15U

L88 Housing (L88), #1 standard basket (15), 2" (2), NPT connection (N)
Outlet located on bottom (A), Carbon steel (C), 150 psi (15), ASME Code (U) Stamp (U)



E SERIES

BAG HOUSINGS



The E Series Single Liquid Bag Housings effectively remove dirt, pipe scale, and other substances from process liquids. Constructed from 304 or 316L stainless steel these housings offer outstanding durability and corrosion resistance across a wide variety of industrial and commercial applications.

Quality workmanship and design assure clean effluent and consistent, reliable performance. Unfiltered liquid enters the housing above the filter bag or strainer basket, fills the interior of the housing and continues through the bag or strainer basket. Solids are trapped inside the filter bag or strainer and are easily removed when the housing is serviced. The simple to operate band clamp closure makes bag change-outs quick and easy.

FEATURES/BENEFITS

Flow rates up to 135 gpm (511 Lpm)
Accepts #1, #2, #3, and #4 size bag filters, depending on model
100 psi pressure rating

Each housing is factory hydro-tested
Band clamp closure
Adjustable support legs included
Polished external finish

APPLICATIONS

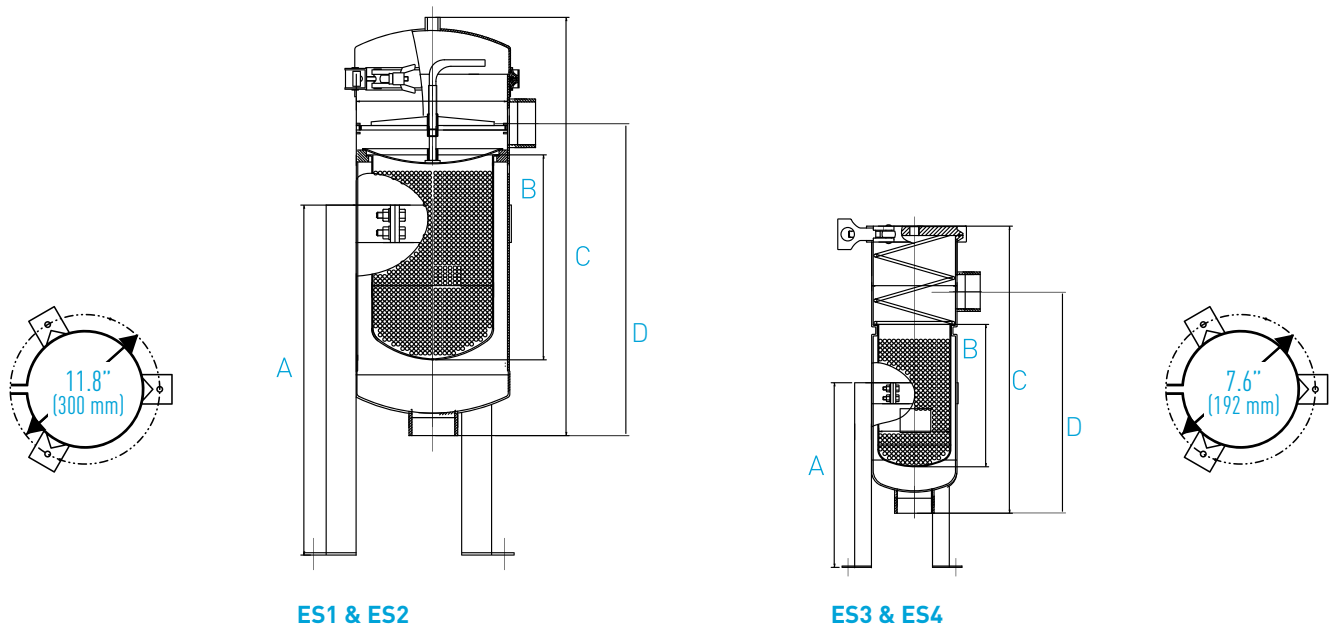
Water
General Industrial
Chemical

Oil & Gas
Food & Beverage
Commercial

SPECIFICATIONS

Pressure Rating	100 psi @ 300°F (6.9 bar @ 148.9°C)
Connections	2" NPT (ES1 & ES2); 1" NPT (ES3 & ES4)
Housing Lid	Band clamp closure
Lid Seal/Basket Seal	EPDM
Vent	1/4" NPT
Construction	304 or 316L, polished external finish
Basket Material	304 SS with 1/8" (3mm) perforations for 304 SS housings 316L SS with 1/8" (3mm) perforations for 316L SS housings
Bag Sizes	#1, #2, #3, or #4 liquid bags accepted depending on model
Base	Adjustable tripod leg assembly

DIMENSIONS



MODEL	BAG SIZE	NOMINAL FLOW RATE		DIMENSIONS				WEIGHT	
				A	B	C	D		
ES1	1	70 gpm (265 Lpm)	IN	19.7	15.0	27.6	20.5	LBS	35
			MM	500	380	700	520	KG	16
ES2	2	135 gpm (511 Lpm)	IN	27.6	28.3	41.3	34.3	LBS	46
			MM	700	720	1050	870	KG	21
ES3	3	25 gpm (95 Lpm)	IN	13.8	7.5	15.7	12.9	LBS	26
			MM	350	190	400	328	KG	12
ES4	4	35 gpm (132 Lpm)	IN	19.7	13.4	21.3	18.4	LBS	29
			MM	500	340	540	468	KG	13

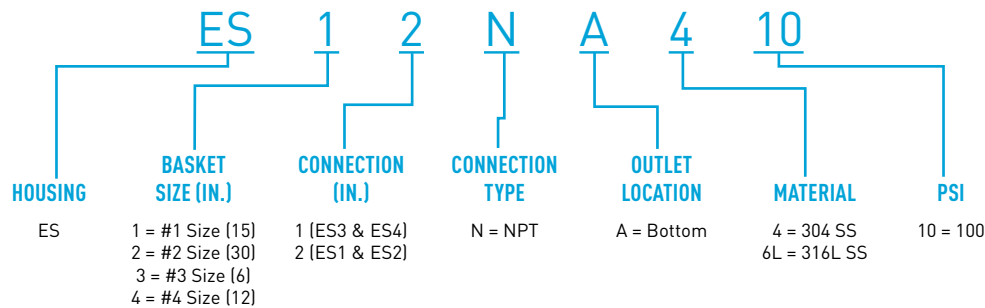
All dimensions are approximate.

ORDERING INFORMATION

To create your ordering part number, use the part number configurator below.
Custom configurations available. Please contact customer service.

HOUSING EXAMPLE: ES12NA410

ES Housing (ES), #1 basket (1), 2" (2), NPT connection (N)
Outlet connection located on bottom (A), 304 Stainless steel (4), 100 psi (10)



T88

TOP FLOW BAG HOUSINGS



T88 Top Flow Single Liquid Bag Housings effectively remove dirt, pipe scale, and other substances from process liquids. Quality construction and design assure clean effluent and protection for all downstream equipment.

Unfiltered liquid enters the housing above the filter bag or strainer basket, fills the interior of the housing and continues through the bag or strainer basket. Solids are trapped inside the filter bag or strainer and easily removed when the housing is serviced. The standard O-ring seal between the basket and the housing ensures a positive seal to prevent bypass.

FEATURES/BENEFITS

Flow rates up to 220 gpm (832.7 Lpm)
150 (20.7 bar) pressure rating
Two lengths available, 15" or 30" (381 and 762 mm), depending upon the required surface area and volume of fluid to be filtered
Carbon steel and 304 or 316 Stainless Steel construction
Each housing is factory hydro-tested
Low pressure drop

Plated quick-swing closure with eye nuts
Differential, drain and vent ports
Adjustable support legs
304 Stainless Steel basket
Two-part epoxy paint finish on carbon steel housings, inside and outside
Accepts #1-size and #2-size bag filters

APPLICATIONS

Chemical
General Industrial
Oil and Gas
Water

OPTIONS

Mesh-lined strainer baskets
Alternative O-ring materials (durometer ratings < 75 Shore A Hardness)
ASME code U or UM

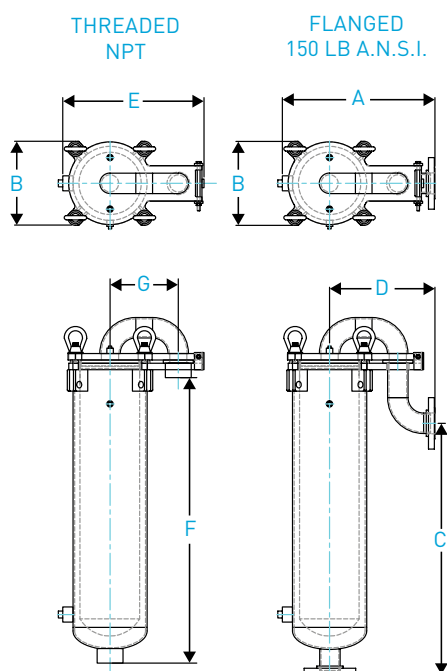
SPECIFICATIONS

Pressure Rating	150 psi @ 300°F (10.3 bar @ 148.9°C)
Connections	2" NPT or flange
Housing Lid	Zinc-plated 4-bolt swing closure with 1/4" NPT vent port
Lid Seal	Buna-N
Inlets/Outlets	Top inlet/bottom outlet, Top inlet/side outlet
Pressure Ports	Two 1/4" NPT
Construction/Finish	Carbon steel w/2-part epoxy finish, inside and outside 304 or 316 Stainless steel w/satin finish, on outside
Basket Material	304 Stainless Steel with 9/64" perforations
Bag Sizes	#1 and #2
Base	Adjustable tripod leg assembly

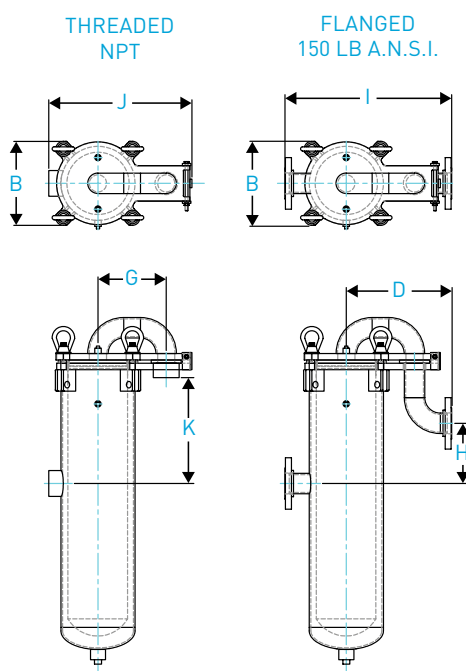
INDUSTRIAL

DIMENSIONS

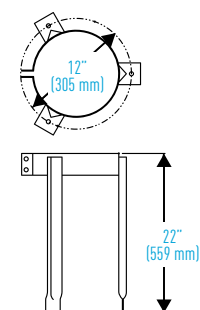
STYLE A - BOTTOM OUTLET



STYLE B - SIDE OUTLET



ADJUSTABLE LEGS*



* legs must be bolted to floor for proper operation

NPT CONNECTION

MODEL	CONNECTION SIZE	DIMENSIONS											
			A	B	C	D	E	F	G	H	I	J	K
T88-15	2"	IN	17.8	9.9	14.3	12.3	16.4	18.2	7.9	7.0	19.4	16.7	12.3
		MM	451	251	362	311	418	462	202	178	492	424	313
T88-30		IN	17.8	9.9	29.3	12.3	16.4	33.2	7.9	7.0	19.4	16.7	12.3
		MM	451	251	743	311	418	843	202	178	492	424	313

All dimensions are approximate. Dimensions are for carbon steel configurations.

ORDERING INFORMATION

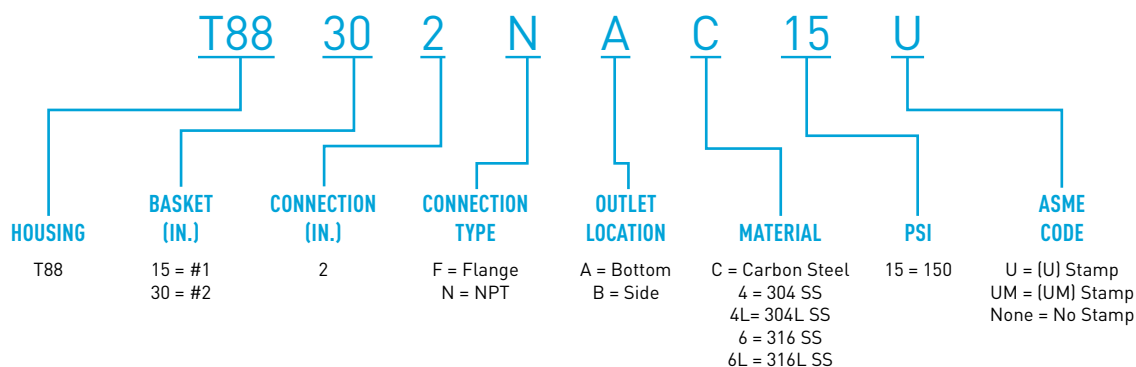
To create your ordering part number, use the part number configurator below.

Custom configurations available. Please contact customer service.

Carbon steel not recommended for water use as the epoxy coating is not designed as a corrosion inhibitor.

HOUSING EXAMPLE: T88302NAC15U

T88 Housing (T88), #2 basket (30), 2" (2), NPT connection (N)
Carbon steel (C), 150 psi (15), ASME Code (U) Stamp (U)



OEM M88

100 PSI BAG HOUSINGS



OEM M88 100 PSI Liquid Bag Housings are superb quality vessels for lower pressure applications. They effectively remove dirt, pipe scale, and other substances from process liquids. Quality construction and design assure clean effluent and protection for all downstream equipment.

Unfiltered liquid enters the housing above the filter bag or strainer basket; fills the interior of the housing; and continues through the bag or strainer basket. Solids are trapped inside the filter bag or strainer and easily removed when the housing is serviced.

FEATURES/BENEFITS

Flow rates to 220 gpm (832.7 Lpm)	100 PSI (6.9 bar) pressure rating
Dome bottom	2" female NPT connections
Carbon Steel or Stainless Steel construction	Side and bottom outlets
Each housing is factory hydro-tested	Differential, drain and vent ports
Low pressure drop with #12 size bag	Two-part epoxy paint finish on carbon steel housings, inside and outside; satin finish on Stainless Steel housings on inside and outside
Zinc-plated 3-bolt swing lid with eye nuts	Accepts #12-size bag filters — offers 25% more surface area than standard #2-size bag filters
Buna-N seal-lid	Adjustable support legs
Differential, drain, and vent ports	
Zinc-plated carbon steel baskets for Carbon Steel housings; 304 stainless steel baskets for 304 Stainless Steel housings	

APPLICATIONS

Chemical
General Industrial
Oil and Gas
Water

OPTIONS

Mesh-lined strainer baskets
Alternative O-ring materials

INDUSTRIAL

SPECIFICATIONS

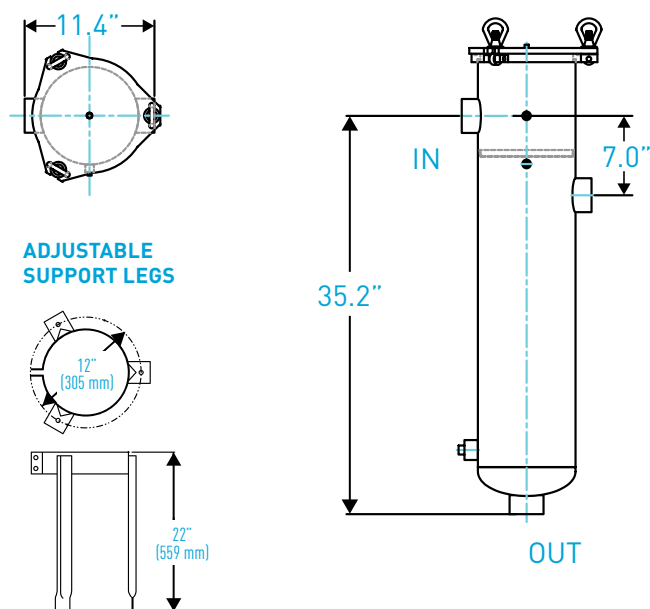
Pressure Rating	100 psi @ 300°F (6.9 bar @ 148.9°C)
Connections	2" NPT
Housing Lid	Zinc-plated 3-bolt swing closure with vent port
Lid & Basket Seals	Buna-N
Inlets/Outlets	Side inlet/bottom outlet, Side inlet/side outlet
Pressure Ports	Two differential ports measure pressure across filter bag
Construction/Finish	Carbon steel w/2-part epoxy finish on inside and outside 304 or 316 Stainless steel w/satin finish on outside
Basket Material	304 Stainless Steel with 9/64" perforations, carbon steel baskets are Zinc-plated
Bag Size	#12
Base	Adjustable tripod leg assembly

DIMENSIONS

#12 BAG DATA

LENGTH		DIAMETER		SURFACE AREA	
IN	30.0	IN	8.0	FT. ²	5.5
MM	762	MM	203	M ²	0.51

All dimensions are approximate. Dimensions are for carbon steel configurations.

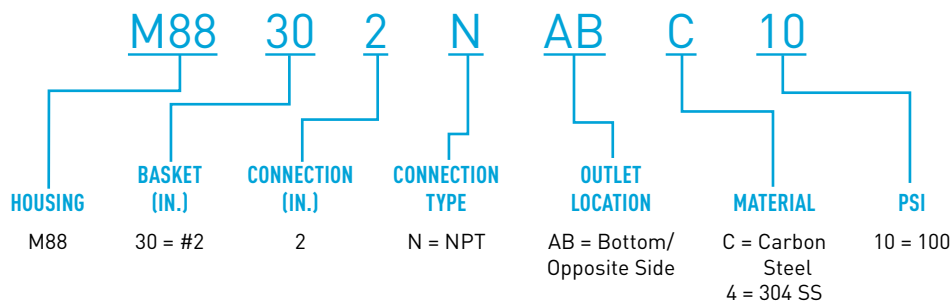


ORDERING INFORMATION

To create your ordering part number, use the part number configurator below.
Custom configurations available. Please contact customer service.
Carbon steel not recommended for water use as the epoxy coating is not designed as a corrosion inhibitor.

HOUSING EXAMPLE: M88302NABC10

M88 Housing [M88], #2 basket [30], 3" [3], Flange connection [F]
Outlet located on bottom and opposite sides [AB], Carbon steel [C], 100 psi [10]



INDUSTRIAL L882 TWIN CAPACITY BAG HOUSINGS



L882 Twin Capacity Liquid Bag Housings offer the flow rates of multi-round housings at an economical cost. These vessels are ideal for applications requiring high dirt-holding capacity, low pressure drop, or additional flow.

FEATURES/BENEFITS

Flow rates up to 400 gpm (1,514 Lpm) per housing
Two identical L88 housings working in tandem
Carbon or Stainless Steel construction
Each housing is factory hydro-tested
Zinc-plated quick-swing closure with eye nuts
FKM seals — lid and basket

Differential, drain, and vent ports
304 Stainless Steel strainer basket for 304 Stainless Steel housings and Carbon Steel housing
316 Stainless Steel strainer basket for 316 Stainless Steel housings
Can be used with strainer baskets alone or with #2 bag filters

APPLICATIONS

Chemical
General Industrial
Oil and Gas
Water

OPTIONS

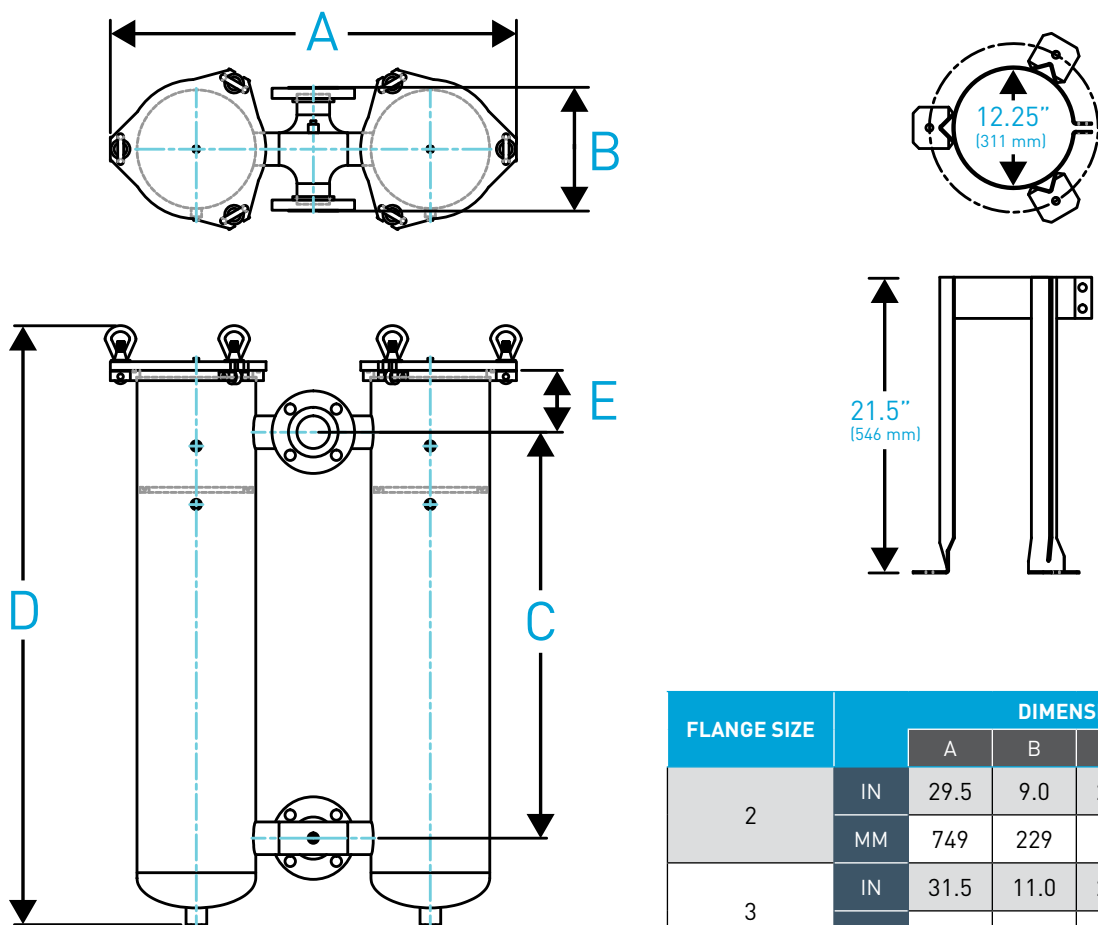
300 psi pressure rating
Mesh-lined strainer baskets
Alternative O-ring materials
Positive hold down springs

INDUSTRIAL

SPECIFICATIONS

Pressure Rating	150 psi @ 300°F (10.3 bar @ 148.9°C)
Connections	RF flange
Lid & Basket Seals	FKM O-ring
Inlets/outlets	Side inlet, side outlet
Pressure Ports	Two differential parts measure pressure across filter bag
Construction/Finish	Carbon steel w/2-part epoxy finish inside and outside 304 or 316 Stainless steel w/satin finish on inside and outside
Basket Material	304 Stainless Steel strainer basket for 304 Stainless Steel housings and Carbon Steel housings with 9/64" perforations 316 Stainless Steel strainer basket for 316 Stainless Steel housings with 9/64" perforations
Bag Size	#2
Base	Adjustable tripod leg assembly

DIMENSIONS



FLANGE SIZE		DIMENSIONS				
		A	B	C	D	E
2	IN	29.5	9.0	29.5	43.5	4.5
	MM	749	229	749	1105	114
3	IN	31.5	11.0	29.5	43.5	4.5
	MM	800	279	749	1105	114
4	IN	33.5	13.0	29.5	43.5	4.25
	MM	851	330	749	1105	108

All dimensions are approximate. Dimensions are for carbon steel configurations.

ORDERING INFORMATION

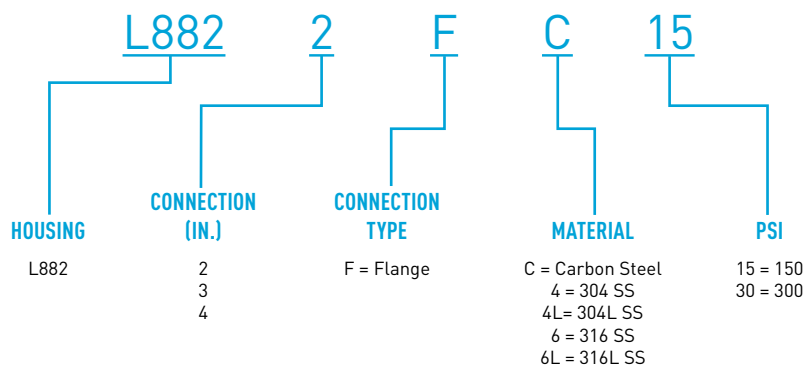
To create your ordering part number, use the part number configurator below.

Custom configurations available. Please contact customer service.

Carbon steel not recommended for water use as the epoxy coating is not designed as a corrosion inhibitor.

HOUSING EXAMPLE: L882FC15

L882 housing (L882), 2" (2), Flange connection (F), Carbon steel (C), 150 psi (15)



DIVERSA-FLOW

BAG HOUSINGS



Diversa-Flow Liquid Bag Housings give you the capability of a continuous flow for non-stop filtering during maintenance, offering an economical alternative to multi-round duplexing. Diversa-Flow systems effectively remove dirt, pipe scale, and other substances from process liquids. They provide a wide variety of choices for flow rates and particulate removal. Plus, quality construction and design assure clean effluent and protection for all downstream equipment.

FEATURES/BENEFITS

- Flow rates up to 200 gpm (757 Lpm) per housing
- Housings with common connections
- Continuous flow rates
- Independent serviceability
- Carbon or Stainless Steel construction
- Each housing is factory hydro-tested
- Zinc-plated quick-swing closure with eye nuts

- FKM seals — lid and basket
- Differential, drain, and vent ports
- 304 Stainless Steel strainer basket for 304 Stainless Steel housings and Carbon Steel housing
- 316 Stainless Steel strainer basket for 316 Stainless Steel housings

APPLICATIONS

- Chemical
- General Industrial
- Oil and Gas
- Water

OPTIONS

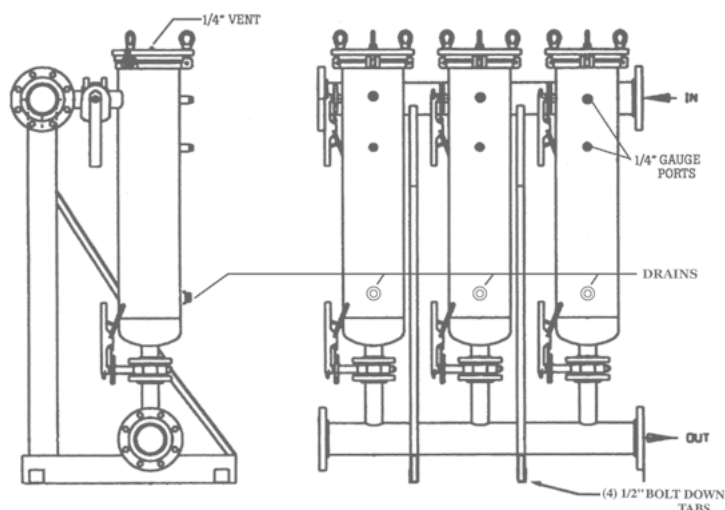
- Mesh-lined strainer baskets
- Alternative O-ring materials
- Adjustable support legs
- ASME code U or UM
- Positive hold down springs



SPECIFICATIONS

Pressure Rating	150 psi @ 300°F (10.3 bar @ 148.9°C)
Connections	NPT or RF flange
Lid & Basket Seals	FKM O-ring
Valve Seals	Buna-N
Pressure Ports	Two 0.25" NPT
Construction/Finish	Carbon steel w/2-part epoxy finish inside and outside 304 or 316 Stainless steel w/satin finish on inside and outside
Basket Material	304 Stainless Steel strainer basket for 304 Stainless Steel housings and Carbon Steel housings with 9/64" perforations 316 Stainless Steel strainer basket for 316 Stainless Steel housings with 9/64" perforations

DIMENSIONS



Based on carbon steel configuration.

ORDERING INFORMATION

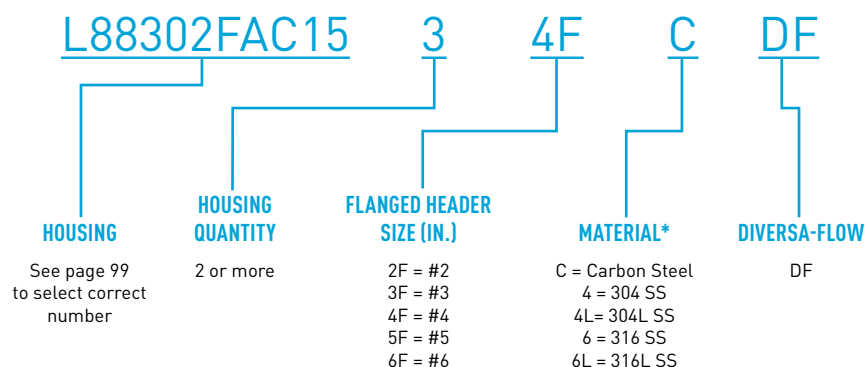
To create your ordering part number, use the part number configurator below.

Custom configurations available. Please contact customer service.

Carbon steel not recommended for water use as the epoxy coating is not designed as a corrosion inhibitor.

HOUSING EXAMPLE: L88302FAC1534FCDF

L88302FAC15 Housing (L88302FAC15), 3 housings (3), #4 Flanged Header (4F)
Carbon steel (C), Diversa-flow(DF)



*Should be the same as housing material

MULTI-ROUND BAG HOUSINGS



Multi-Round Liquid Bag Housings effectively remove dirt, pipe scale, and other substances from process liquids. Quality construction and design assure clean effluent and protection for all downstream equipment.

Unfiltered liquid enters the housing above the filter bags or strainer baskets, fills the interior of the housing and continues through the bag or strainer basket. Solids are trapped inside the filter bags or strainers and easily removed when the housing is serviced.

FEATURES/BENEFITS

Flow rates up to 3,500 gpm
(13,247.5 Lpm)
150 and 300 PSI (10.3 and 20.7 bar)
ratings
2 basket to 24 basket housing designs,
depending upon the required surface
area and volume of fluid to be filtered
Carbon Steel or Stainless Steel
construction
Each housing is factory hydro-tested
Low pressure drop
Zinc-plated swing bolts with bearing-
assisted davit closure

Buna-N seals — lid and basket
Differential, drain, and vent ports
304 Stainless Steel strainer basket for
304 Stainless Steel housings and Carbon
Steel housings
316 Stainless Steel strainer basket for
316 Stainless Steel housings
Two-part epoxy finish on carbon steel
housings, inside and outside
Accepts #2-size bag filters
Heavy-duty support legs

APPLICATIONS

Chemical
General Industrial
Oil and Gas
Water

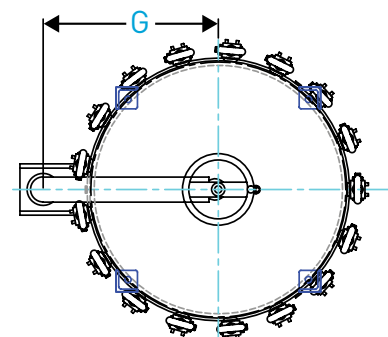
OPTIONS

Mesh-lined strainer baskets
Alternative O-ring materials
Hydraulic lid lift
Positive hold down spring
Higher pressure ratings

SPECIFICATIONS

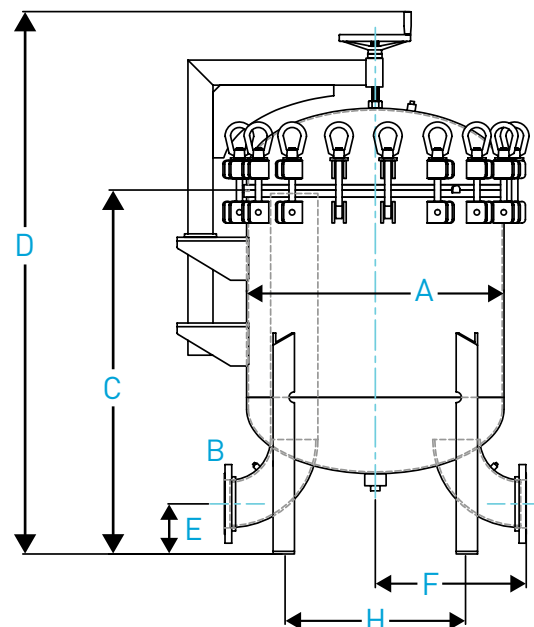
Pressure Rating	150 psi @ 300°F (10.3 bar @ 148.9°C) (up to 300 psi [34.5 bar] optional)
Connections	2", 3", 4", 6", 8", 10", or 12" RF flange
Housing Lid	Zinc-plated swing bolts with bearing assisted davit cover lift
Lid Seal	Buna-N
Pressure Ports	Two differential ports measure pressure across filter bag, 1/4" NPT
Construction/Finish	Carbon steel w/2-part epoxy finish inside and outside 304 or 316 Stainless steel w/satin finish on outside
Basket Material	304 Stainless Steel strainer basket with 9/64" perforations for 304 Stainless Steel housings and Carbon Steel housings 316 Stainless Steel strainer basket with 9/64" perforations for 316 Stainless Steel housings
Bag Sizes	#2
Base	Heavy duty support legs

STYLE A - BOTTOM OUTLET



DIMENSIONS

HOUSING	BASKET QUANTITY	CONNECTION SIZE (IN.)	STRAINING AREA	NOMINAL FLOW RATE
LR2	2	2, 3, 4	FT. ² 8.0	GPM 400
			M ² 0.74	LPM 1,514
LR3	3	2, 3, 4	FT. ² 13.2	GPM 600
			M ² 1.23	LPM 2,271
LR4	4	3, 4, 6	FT. ² 17.6	GPM 800
			M ² 1.64	LPM 3,028
LR6	6	3, 4, 6	FT. ² 26.4	GPM 1,200
			M ² 2.45	LPM 4,542
LR8	8	4, 6, 8	FT. ² 35.2	GPM 1,600
			M ² 3.27	LPM 6,056
LR12	12	6, 8, 10	FT. ² 44.0	GPM 2,100
			M ² 4.09	LPM 7,949
LR17	17	8, 10, 12	FT. ² 74.8	GPM 3,500
			M ² 6.95	LPM 13,248
LR24	24	8, 10, 12	FT. ² 92.4	GPM 4,300
			M ² 8.58	LPM 16,276



HOUSING	CONNECTION SIZE	DIMENSIONS									WEIGHT	
			A	B	C	D	E	F	G	H		
LR2	2	IN	16.0	2.0	43.1	61.3	5.0	8.4	11.1	11.1	LBS	335
		MM	406	51	1,096	1,556	127	213	281	281	KG	152
	3	IN	16.0	3.0	45.2	63.3	5.8	10.0	11.1	11.1	LBS	360
		MM	406	76	1,148	1,608	146	253	281	281	KG	163
	4	IN	16.0	4.0	47.2	65.3	6.5	11.5	11.1	11.1	LBS	385
		MM	406	102	1,199	1,659	165	293	281	281	KG	175
LR3	2	IN	18.0	2.0	46.3	65.3	5.3	9.3	12.1	12.4	LBS	410
		MM	457	51	1,176	1,657	133	237	308	314	KG	186
	3	IN	18.0	3.0	45.0	64.0	5.8	10.9	12.1	12.4	LBS	435
		MM	457	76	1,143	1,624	146	278	308	314	KG	197
	4	IN	18.0	4.0	47.4	66.3	6.5	12.3	12.1	12.4	LBS	460
		MM	457	102	1,203	1,684	165	311	308	314	KG	209

All dimensions are approximate. Dimensions are for carbon steel configurations.

continued>>

MULTI-ROUND

BAG HOUSINGS

DIMENSIONS (CONTINUED)

HOUSING	CONNECTION SIZE	DIMENSIONS									WEIGHT	
			A	B	C	D	E	F	G	H		
LR4	2	IN	22.0	2.0	46.3	66.0	5.0	10.2	14.1	15.3	LBS	535
		MM	559	51	1,175	1,676	127	259	359	387	KG	243
	3	IN	22.0	3.0	49.2	68.9	5.8	11.2	14.1	15.3	LBS	555
		MM	559	76	1,249	1,751	146	284	359	387	KG	252
	4	IN	22.0	4.0	51.4	71.2	6.5	12.3	14.1	15.3	LBS	590
		MM	559	102	1,307	1,808	165	311	359	387	KG	268
LR6	3	IN	26.0	3.0	46.1	66.1	5.8	13.2	16.2	18.1	LBS	535
		MM	660	76	1,170	1,678	146	336	411	461	KG	243
	4	IN	26.0	4.0	48.3	68.3	6.5	14.3	16.2	18.1	LBS	555
		MM	660	102	1,227	1,735	165	363	411	461	KG	252
	6	IN	26.0	6.0	46.0	66.9	7.0	17.5	16.2	18.1	LBS	590
		MM	660	152	1,168	1,699	178	445	411	461	KG	268
LR8	3	IN	30.0	3.0	50.7	72.6	5.8	14.1	18.2	20.9	LBS	665
		MM	762	76	1,288	1,843	146	358	462	532	KG	302
	4	IN	30.0	4.0	52.9	74.8	6.5	15.1	18.2	20.9	LBS	705
		MM	762	102	1,343	1,899	165	383	462	532	KG	320
	6	IN	30.0	6.0	50.8	72.7	7.0	18.1	18.2	20.9	LBS	850
		MM	762	152	1,291	1,846	178	460	462	532	KG	385
	8	IN	30.0	8.0	55.9	77.8	10.8	22.3	18.2	20.9	LBS	960
		MM	762	203	1,421	1,976	273	568	462	532	KG	435
LR12	4	IN	36.0	4.0	52.8	77.8	6.5	18.2	24.5	25.3	LBS	870
		MM	914	102	1,341	1,975	165	463	622	641	KG	395
	6	IN	36.0	6.0	50.9	75.9	7.0	21.1	24.5	25.3	LBS	1,010
		MM	914	152	1,294	1,927	178	536	622	641	KG	458
	8	IN	36.0	8.0	57.6	83.1	10.8	23.7	24.5	25.7	LBS	1,150
		MM	914	203	1,463	2,111	273	602	622	653	KG	522
	10	IN	36.0	10.0	59.8	84.7	11.0	26.8	24.5	25.3	LBS	1,210
		MM	914	254	1,518	2,151	279	679	622	641	KG	548
LR17	6	IN	42.0	6.0	52.5	79.4	7.0	23.3	27.6	29.5	LBS	1,960
		MM	1,067	152	1,334	2,018	178	591	702	749	KG	889
	8	IN	42.0	8.0	59.3	86.1	10.8	25.3	27.6	29.5	LBS	2,070
		MM	1,067	203	1,505	2,188	273	642	702	749	KG	939
	10	IN	42.0	10.0	61.7	88.6	11.0	28.3	27.6	29.5	LBS	2,200
		MM	1,067	254	1,567	2,251	279	720	702	749	KG	998
	12	IN	42.0	12.0	62.8	89.8	11.0	32.2	27.6	29.5	LBS	2,380
		MM	1,067	305	1,595	2,280	279	818	702	749	KG	1,079
LR24	8	IN	48.0	8.0	59.7	88.1	10.8	28.3	30.6	33.2	LBS	2,200
		MM	1,219	203	1,516	2,239	273	718	776	843	KG	998
	10	IN	48.0	10.0	62.2	90.7	11.0	31.4	30.6	33.2	LBS	2,350
		MM	1,219	254	1,580	2,304	279	797	776	843	KG	1,066
	12	IN	48.0	12.0	65.1	93.6	11.0	33.4	30.6	33.2	LBS	2,530
		MM	1,219	305	1,653	2,376	279	848	776	843	KG	1,147

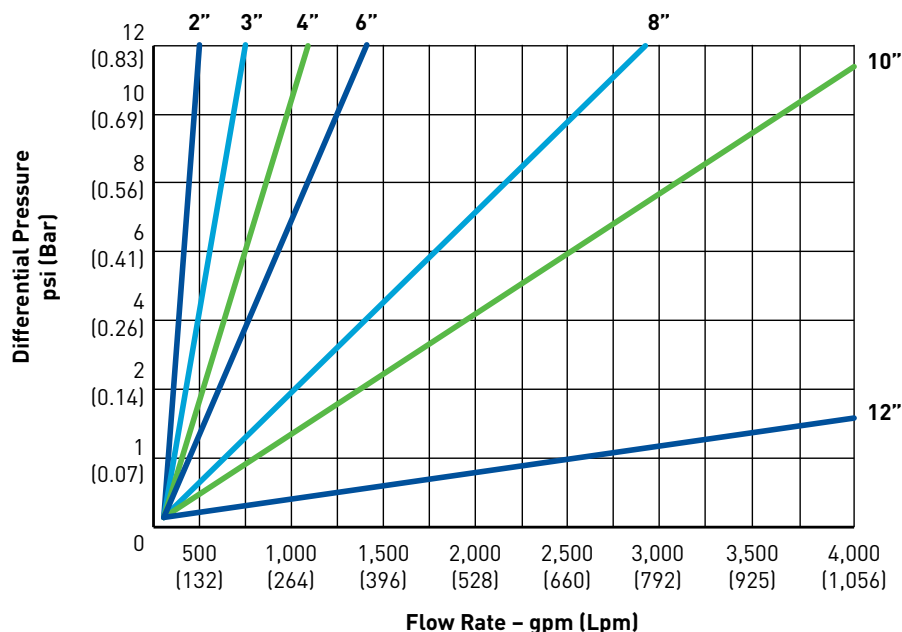
All dimensions are approximate. Dimensions are for carbon steel configurations.

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MULTI-ROUND

BAG HOUSINGS

PRESSURE DROP VS FLOW RATE



ORDERING INFORMATION

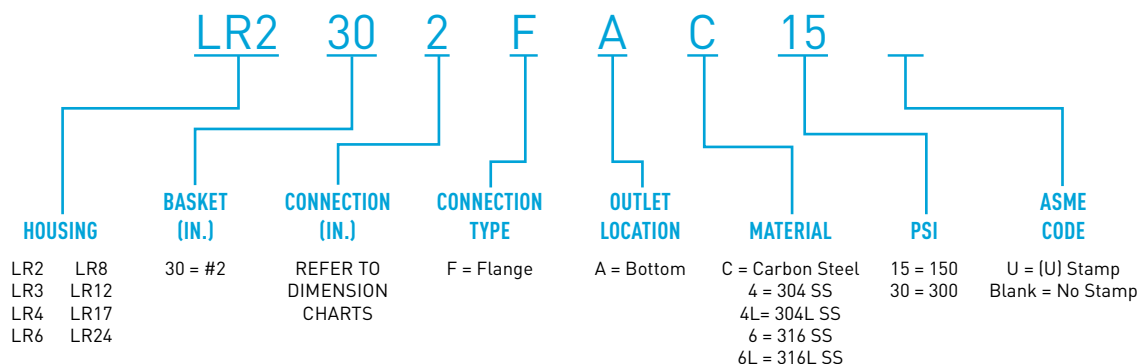
To create your ordering part number, use the part number configurator below.

Custom configurations available. Please contact customer service.

Carbon steel not recommended for water use as the epoxy coating is not designed as a corrosion inhibitor.

HOUSING EXAMPLE: LR2302FAC15

LR2 Housing (LR2), 30" basket (30), 2" (2), Flange connection (F)
Carbon steel (C), 150 psi (15)



DUPLEX BAG HOUSINGS



Duplex Liquid Bag Housings offer the capability of a continual flow for non-stop filtering during maintenance. Duplex systems effectively remove dirt, pipe, scale, and other substances from process liquids, and they deliver a wide variety of choices for flow rates and particulate removal. Plus, quality construction and design assure clean effluent and protection for all downstream equipment.

An optional automatic actuation system can be added to all housings for ease of operation. The automated system will switch flow between the housings after reaching a programmed differential pressure.

FEATURES/BENEFITS

Twin housings with common connections	Zinc-plated quick-swing closure with eye nuts
Continuous flow possible	O-ring seals — lid & basket
Single handle actuation to switch between housings (4" piping and smaller) or independent controls (6" and larger)	Differential, drain, and vent ports
Carbon or Stainless Steel construction	304 Stainless Steel strainer basket for 304 Stainless Steel housings and Carbon Steel housings
Each housing is factory hydro-tested	316 Stainless Steel strainer basket for 316 Stainless Steel housings

APPLICATIONS

Chemical
General Industrial
Oil and Gas
Water

OPTIONS

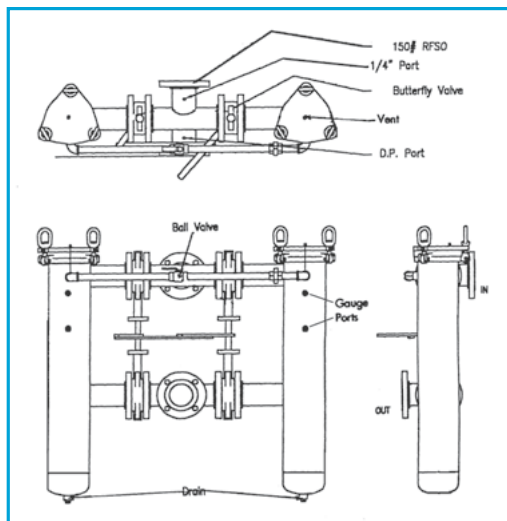
Mesh-lined strainer baskets
Alternative seal materials
Adjustable support legs
Automatic switching system
ASME code U or UM, depending upon model

SPECIFICATIONS

Pressure Rating	150 psi @ 300°F (10.3 bar @ 148.9°C)
Connections	NPT or RF flange
Housing Lid	Zinc-plated 3-bolt swing closure with vent port
Lid Seals	FKM O-ring (single housing), Buna-N seal (multi-round housing)
Basket Seal	FKM (single housing)
Pressure Ports	Two 0.25" NPT
Construction/Finish	Carbon steel w/2-part epoxy finish inside and outside 304 or 316 Stainless steel w/satin finish on outside
Basket Material	304 Stainless Steel strainer basket with 9/64" perforations for 304 Stainless Steel housings and Carbon Steel housings 316 Stainless Steel strainer basket with 9/64" perforations for 316 Stainless Steel housings

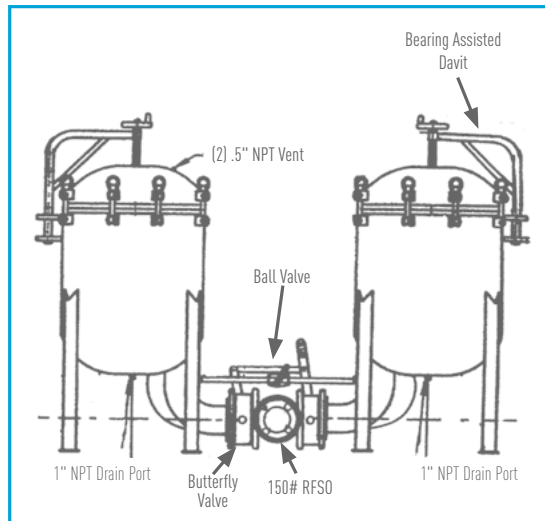
DIMENSIONS

SINGLE HOUSING*



NOTE: *Not available for L44 6" housings.

MULTI-ROUND HOUSING



All dimensions are approximate.
Dimensions are for carbon steel configurations.

PBH SERIES

BAG HOUSINGS



PBH Series Bag Housings keep systems on stream longer by reducing bag filter change time. These assemblies offer all the necessary strength without the weight.

FEATURES/BENEFITS

Lightweight corrosion-resistant polypropylene construction
Single large ACME thread closure ensures quick opening and positive sealing
Outstanding chemical compatibility makes housings ideal for use in a variety of low-flow applications
Equipped with a black, reinforced polypropylene cap
Includes gauge, wrench and .375" drain valve

Portable
Economically priced
Provides uninterrupted flow rates installed as a duplex system
Outstanding chemical compatibility
Filter bags are available in polypropylene felt, absolute-rated high-efficiency polypropylene and nylon monofilament mesh—ideal for filtering and straining applications from 1-800 microns

APPLICATIONS

Commercial Water
Food Service
Industrial Chemical
Industrial Water
Residential Pre-filtration

OPTIONS

Choice of 10" or 20" housings
Available in 1" and 1.5" NPT sizes

SPECIFICATIONS

Housing	Polypropylene
Cap	Polypropylene
Gauge	Bismuth Brass (lead-free)
Vent Plug	Polypropylene
Drain Plug	High Density Polypropylene
Ball Valve	PVC/Buna-N Seals
Basket	Polypropylene
O-ring & Gaskets	Buna-N
Max. Temperature	100°F (37.8°C)

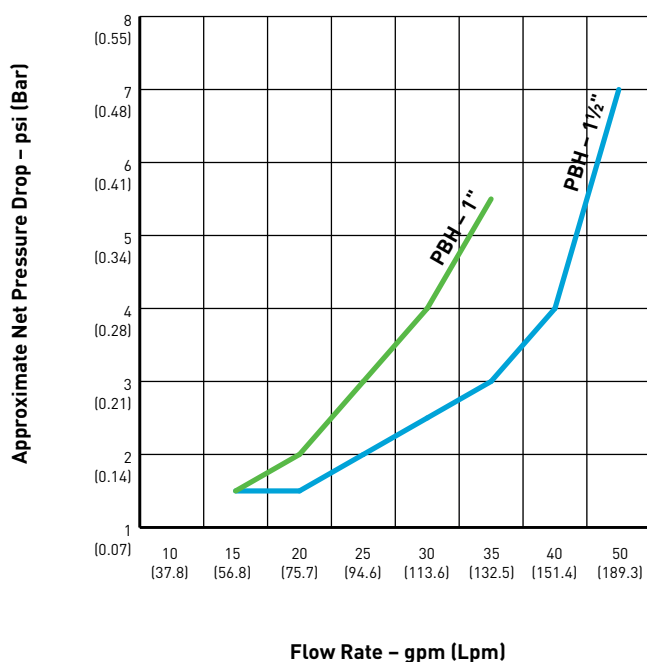
Refer to bag filter specifications sheet for 1-200 micron quick-install bags

MODEL	MAXIMUM DIMENSIONS	INITIAL ΔP (PSI) @ FLOW RATE (GPM)	MAXIMUM PRESSURE
PBH-410-1 (1" NPT)	18.38" x 7.45" (467 mm x 189 mm)	1 PSI @ 15 gpm (0.07 bar @ 57 Lpm)	100 PSI (6.9 bar)
PBH-410-1.5 (1.5" NPT)	18.38" x 7.45" (467 mm x 189 mm)	1 PSI @ 15 gpm (0.07 bar @ 57 Lpm)	100 PSI (6.9 bar)
PBH-420-1 (1" NPT)	28.75" x 7.45" (730 mm x 189 mm)	1 PSI @ 15 gpm (0.07 bar @ 57 Lpm)	90 PSI (6.2 bar)
PBH-420-1.5 (1.5" NPT)	28.75" x 7.45" (730 mm x 189 mm)	1 PSI @ 15 gpm (0.07 bar @ 57 Lpm)	90 PSI (6.2 bar)

PBH-410 accepts a standard 4" x 8.25" (102 mm x 210 mm) bag. Dimensions allow for 1" (25 mm) overlap on basket.

PBH-420 accepts a standard 4" x 18.5" (102 mm x 470 mm) bag. Dimensions allow for 1" (25 mm) overlap on basket.

PRESSURE DROP VS FLOW RATE





INDUSTRIAL IN-LINE STRAINERS

WATER QUALITY SYSTEMS

IN-LINE SERIES

STRAINER HOUSINGS



In-Line Series Strainer Housings offer a wide variety of filtration capabilities and flow rates.

FEATURES/BENEFITS

Flow rates from 1 to 1,000 gpm (3.8 to 3,785 Lpm)
 150 and 300 PSI (10.3 and 20.7 bar) pressure ratings
 In-line connections
 Many standard connection sizes
 High dirt load capacity
 3-bolt swing lid with plated eye nuts
 300 PSI (20.7 bar) version has slip and blind flange lid

High capacity basket with positive hold down spring
 Vent, drain and gauge ports
 Each strainer is factory hydro-tested
 Carbon or Stainless Steel construction
 Two-part epoxy finish on carbon steel strainers, inside and outside
 Buna-N lid and basket O-rings

APPLICATIONS

Commercial
 Industrial

OPTIONS

Higher PSI pressure ratings
 Filtration from 2 to 2000 microns
 ASME Code U or UM
 Mesh-lined strainer baskets

SPECIFICATIONS

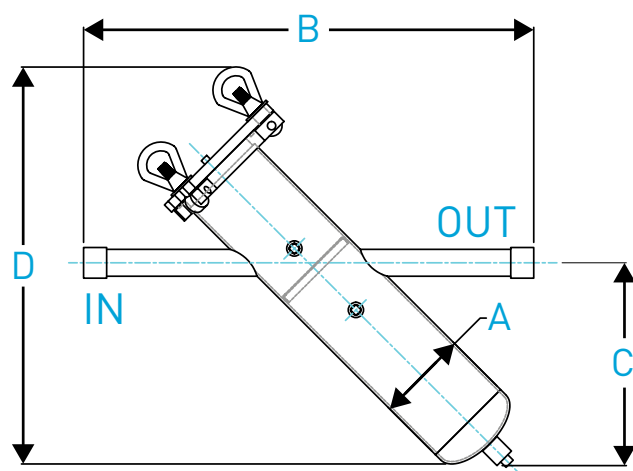
Pressure Rating	150 psi and 300 psi @ 300°F (10.3 and 20.7 bar @ 48.9°C)
Housing Lid	Zinc-plated 3-bolt swing closure with vent port
Housing Ports	2 differential ports (1/4" NPT) and one vent and drain port
Construction/Finish	Carbon steel w/2-part epoxy finish inside and outside 304 or 316 Stainless steel w/satin finish on outside
Basket Material	304 Stainless Steel strainer basket for 304 Stainless Steel housings and Carbon Steel housings with 9/64" perforations 316 Stainless Steel strainer basket for 316 Stainless Steel housings with 9/64" perforations
Seal Material	Buna-N O-rings

INDUSTRIAL

DIMENSIONS

HOUSING	PIPE SIZE	SURFACE AREA	BASKET	CONNECTION SIZE (IN.)	DIMENSIONS				WEIGHT	
						A	B	C	D	
S44	4"	75 in ²	6"	.75, 1, 1.25 1.50, 2	IN	4.5	19.5	6.5	15.9	LBS 28
	4"	135 in ²	12"	.75, 1, 1.25 1.50, 2	MM	114	495	165	405	KG 13
S66	6"	280 in ²	18"	.75, 1, 1.25 1.50, 2	IN	4.5	22.0	9.9	19.5	LBS 32
	6"	495 in ²	30"	.75, 1, 1.25 1.50, 2	MM	114	559	252	495	KG 15
S88	8"	355 in ²	15"	2, 3, 4	IN	6.6	24.0	13.9	25.9	LBS 45
	8"	635 in ²	30"	2, 3, 4	MM	168	610	353	657	KG 20
S88	8"	355 in ²	15"	2, 3, 4	IN	6.6	24.0	22.3	34.2	LBS 75
	8"	635 in ²	30"	2, 3, 4	MM	168	610	565	868	KG 34
S88	8"	355 in ²	15"	2, 3, 4	IN	8.6	27.0	14.0	25.3	LBS 100
	8"	635 in ²	30"	2, 3, 4	MM	219	686	356	641	KG 45
S88	8"	355 in ²	15"	2, 3, 4	IN	8.6	27.0	21.4	35.8	LBS 125
	8"	635 in ²	30"	2, 3, 4	MM	219	686	545	910	KG 57

All dimensions are approximate. Dimensions are for carbon steel configurations.



Both flanged and NPT connections have the same dimension B.

ORDERING INFORMATION

To create your ordering part number, use the part number configurator below.

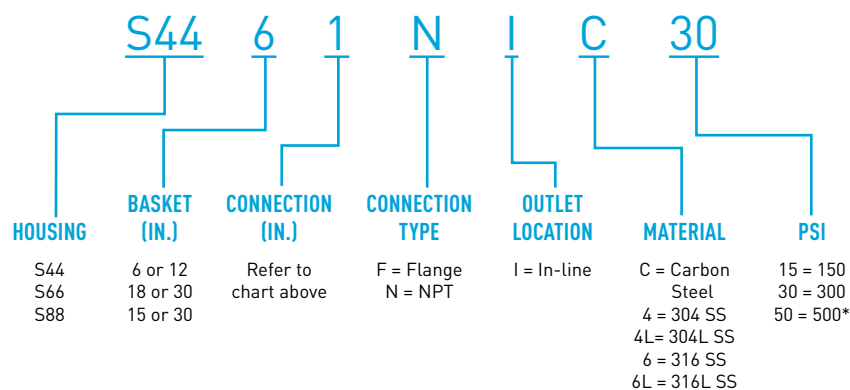
Custom configurations available. Please contact customer service.

Carbon steel not recommended for water use as the epoxy coating is not designed as a corrosion inhibitor.

HOUSING EXAMPLE: S4461NIC30

S44 Housing (S44), 6" basket (6), 1" (1), NPT connection (N)

In-line outlet location (I), Carbon steel (C), 300 psi (30)



*S44 only



INDUSTRIAL HOUSINGS-HYDRAULIC

WATER QUALITY SYSTEMS |

SINGLE HYDRAULIC CARTRIDGE HOUSINGS



Hydraulic Cartridge Housings are designed for the removal of particulate from oils and industrial fluids. Our housings accept standard cartridge inner diameters of 2.625 to 3.5 inches (67 to 89 mm), outer diameters of 6 or 7 inches (152 or 178 mm) and heights up to 44 inches (1118 mm). Quality construction and design assure clean effluent and protection for all downstream equipment.

FEATURES/BENEFITS

Flow rates to 120 gpm (45.4 Lpm)
Carbon or Stainless Steel construction
100 PSI (6.9 bar) pressure rating
at 250°F (121°C)
Low pressure drop
3-bolt swing lid with zinc-plated eye nuts
allows for easy opening and closing
Buna-N lid seal

Full tie-rod element connections for
positive seal
Two-part epoxy finish outside on carbon
steel housings
Optional ASME U or UM

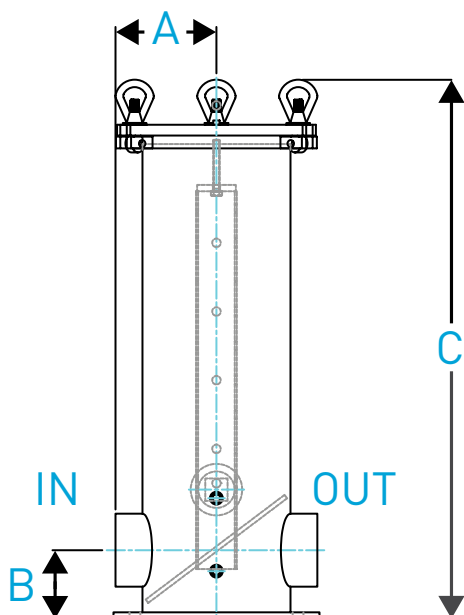
APPLICATIONS

Filtering Diesel Fuel
Fuel Oils
Hydraulic Systems
Industrial Process Fluids
Mineral Oil
Solvents
Transformer Oils

INDUSTRIAL

SPECIFICATIONS

Housing Lid	3-bolt zinc-plated swing closure with vent port
Lid Seal	Buna-N O-ring
Connections	2, 3, 4" NPT couplings for in-line or 90° setting
Clean-out port	2" NPT bottom
Construction/Finish	Carbon steel w/2-part epoxy finish on outside only 304 or 316 Stainless Steel w/satin finish
Element Seal	Full tie-rod and nut for positive seal
Pressure Rating	100 psig (6.9 bar)
Elements	Not supplied. Order separately.



HOUSING	CARTRIDGE SIZE (IN.)	CONNECTION SIZE (IN.)	DIMENSIONS			
				A	B	C
H88	18	2	IN	5.8	3.4	31.4
			MM	146	86	797
		3	IN	5.9	4.0	31.4
			MM	149	102	797
		4	IN	5.7	4.6	31.9
			MM	145	118	811
	36	2	IN	5.8	3.4	49.4
			MM	146	86	1,254
		3	IN	5.9	4.0	49.4
			MM	149	102	1,254
		4	IN	5.7	4.6	49.9
			MM	145	118	1,268
	44	2	IN	5.8	3.4	57.4
			MM	146	86	1,457
		3	IN	5.9	4.0	57.4
			MM	149	102	1,457
		4	IN	5.7	4.6	57.9
			MM	145	118	1,472

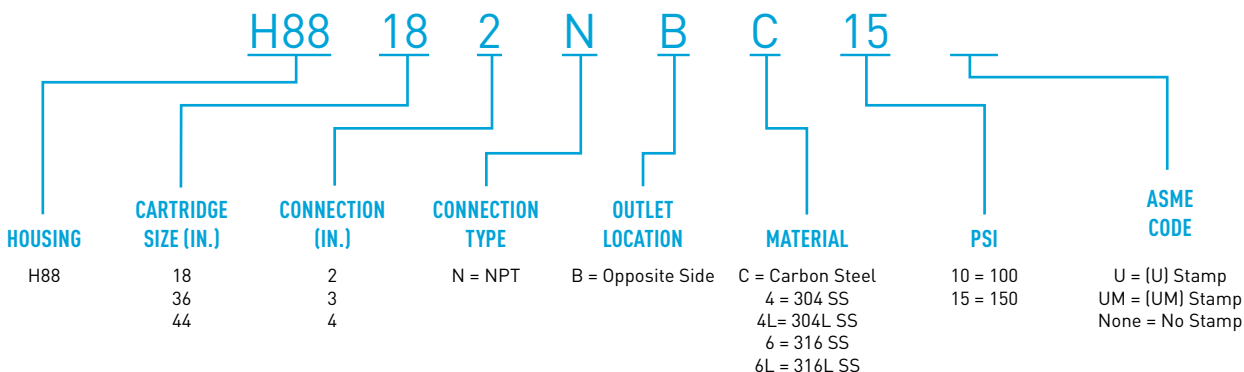
All dimensions are approximate.
Dimensions are for carbon steel configurations.

ORDERING INFORMATION

To create your ordering part number, use the part number configurator below.
Custom configurations available. Please contact customer service.

HOUSING EXAMPLE: H88182NBC15

H88 Housing [H88], 18" cartridge [18], 2" [2]
NPT connection [N], Outlet connection located on opposite side [B]
Carbon steel [C], 150 psi [15]



Carbon steel not recommended for water use.

MULTI-ROUND HYDRAULIC SERIES

HYDRAULIC CARTRIDGE HOUSINGS



Multi-Round Series Hydraulic Cartridge Housings offer high flow rates, chemical compatibility and good particle retention. They are an ideal choice for particulate and contaminant removal with our hydraulic cartridges.

FEATURES/BENEFITS

Flow rates from 360 to 4,500 gpm
(1,362.6 to 17,032.5 Lpm)
Carbon or Stainless Steel construction
Bearing-assisted Davit assembly
Buna-N lid seals
150 PSI (10.3 bar) pressure rating
Differential, drain and vent ports
Heavy duty support legs

Two-part epoxy finish outside on carbon
steel housings
Removable 2" heavy-wall center guide
posts
3-round to 38-round capacity
Full tie-rod element connections for
positive seal

APPLICATIONS

Diesel Fuel
Fuel Oils
Hydraulic Fluids
Industrial Process Fluids

Mineral Oil
Solvents
Transformer Oils

OPTIONS

Duplexing for continual flow during
maintenance
Hydraulic lid lift
Higher pressure rating
ASME Code U
Connection sizes and types

MULTI-ROUND HYDRAULIC SERIES

HYDRAULIC CARTRIDGE HOUSINGS

DIMENSIONS

MODEL	# OF ELEMENTS	CARTRIDGE SIZE	CONNECTION SIZE		DIMENSIONS												
					A	B	C	D	E	F	G	H	I	J	K	L	M
H1616	3	36"	2	IN	16.0	2.0	55.9	77.3	8.0	13.0	11.1	11.1	20.5	54.0	75.4	11.0	6.0
				MM	406	51	1,420	1,963	203	330	281	281	521	1,372	1,916	279	152
			3	IN	16.0	3.0	57.9	79.4	10.0	13.0	11.1	11.1	20.5	55.1	76.6	11.0	6.0
				MM	406	76	1,471	2,017	254	330	281	281	521	1,400	1,945	279	152
			4	IN	16.0	4.0	61.6	81.8	12.5	13.0	11.1	11.1	20.5	56.2	77.6	11.0	6.0
				MM	406	102	1,564	2,078	318	330	281	281	521	1,427	1,970	279	152
		44"	2	IN	16.0	2.0	63.9	85.3	8.0	13.0	11.1	11.1	20.5	62.0	83.4	11.0	6.0
				MM	406	51	1,623	2,167	203	330	281	281	521	1,575	2,119	279	152
			3	IN	16.0	3.0	65.9	87.4	10.0	13.0	11.1	11.1	20.5	63.1	84.6	11.0	6.0
				MM	406	76	1,674	2,220	254	330	281	281	521	1,604	2,148	279	152
			4	IN	16.0	4.0	69.6	89.8	12.5	13.0	11.1	11.1	20.5	64.2	85.6	11.0	6.0
				MM	406	102	1,767	2,281	318	330	281	281	521	1,630	2,173	279	152
H1818	4	36"	2	IN	18.0	2.0	56.1	75.0	8.0	14.0	12.1	12.4	20.5	54.3	73.3	11.0	6.0
				MM	457	51	1,426	1,905	203	356	308	314	521	1,379	1,861	279	152
			3	IN	18.0	3.0	58.2	77.1	10.0	14.0	12.1	12.4	20.5	55.4	74.4	11.0	6.0
				MM	457	76	1,478	1,959	254	356	308	314	521	1,407	1,889	279	152
			4	IN	18.0	4.0	60.6	79.6	12.5	14.0	12.1	12.4	20.5	56.4	75.4	11.0	6.0
				MM	457	102	1,540	2,021	318	356	308	314	521	1,434	1,915	279	152
		44"	2	IN	18.0	2.0	64.1	83.0	8.0	14.0	12.1	12.4	20.5	62.3	81.3	11.0	6.0
				MM	457	51	1,629	2,108	203	356	308	314	521	1,583	2,064	279	152
			3	IN	18.0	3.0	66.2	85.1	10.0	14.0	12.1	12.4	20.5	63.4	82.4	11.0	6.0
				MM	457	76	1,681	2,162	254	356	308	314	521	1,610	2,092	279	152
			4	IN	18.0	4.0	68.6	87.6	12.5	14.0	12.1	12.4	20.5	64.4	83.4	11.0	6.0
				MM	457	102	1,743	2,224	318	356	308	314	521	1,637	2,118	279	152
H2424	9	36"	3	IN	24.0	3.0	59.4	79.8	10.0	17.0	15.2	16.7	20.5	56.7	77.1	13.0	6.0
				MM	610	76	1,510	2,027	254	432	386	424	521	1,440	1,957	330	152
			4	IN	24.0	4.0	61.9	82.3	12.5	17.0	15.2	16.7	20.5	57.7	78.1	13.0	6.0
				MM	610	102	1,572	2,089	318	432	386	424	521	1,465	1,983	330	152
			6	IN	24.0	6.0	65.8	86.1	16.5	17.0	15.2	16.7	20.5	59.8	80.1	13.0	6.0
				MM	610	152	1,670	2,188	419	432	386	424	521	1,518	2,035	330	152
		44"	3	IN	24.0	3.0	67.4	87.8	10.0	17.0	15.2	16.7	20.5	64.7	85.1	13.0	6.0
				MM	610	76	1,713	2,230	254	432	386	424	521	1,643	2,161	330	152
			4	IN	24.0	4.0	69.9	90.3	12.5	17.0	15.2	16.7	20.5	65.7	86.1	13.0	6.0
				MM	610	102	1,775	2,292	318	432	386	424	521	1,669	2,186	330	152
			6	IN	24.0	6.0	73.8	94.1	16.5	17.0	15.2	16.7	20.5	67.8	88.1	13.0	6.0
				MM	610	152	1,873	2,391	419	432	386	424	521	1,721	2,239	330	152
H3030	14	36"	3	IN	30.0	3.0	64.4	86.3	10.0	20.0	18.2	20.9	20.5	61.6	83.5	13.0	6.0
				MM	762	76	1,635	2,191	254	508	462	531	521	1,565	2,121	330	152
			4	IN	30.0	4.0	66.8	88.7	12.5	20.0	18.2	20.9	20.5	62.6	84.5	13.0	6.0
				MM	762	102	1,697	2,253	318	508	462	531	521	1,591	2,146	330	152
			6	IN	30.0	6.0	70.8	92.6	16.5	20.0	18.2	20.9	20.5	64.7	86.6	13.0	6.0
				MM	762	152	1,797	2,353	419	508	462	531	521	1,643	2,199	330	152
		44"	3	IN	30.0	3.0	72.4	94.3	10.0	20.0	18.2	20.9	20.5	69.6	91.5	13.0	6.0
				MM	762	76	1,838	2,394	254	508	462	531	521	1,769	2,324	330	152
			4	IN	30.0	4.0	74.8	96.7	12.5	20.0	18.2	20.9	20.5	70.6	92.5	13.0	6.0
				MM	762	102	1,900	2,456	318	508	462	531	521	1,794	2,350	330	152
			6	IN	30.0	6.0	78.8	100.6	16.5	20.0	18.2	20.9	20.5	72.7	94.6	13.0	6.0
				MM	762	152	2,000	2,556	419	508	462	531	521	1,846	2,402	330	152

All dimensions are approximate. Dimensions are for carbon steel configurations.

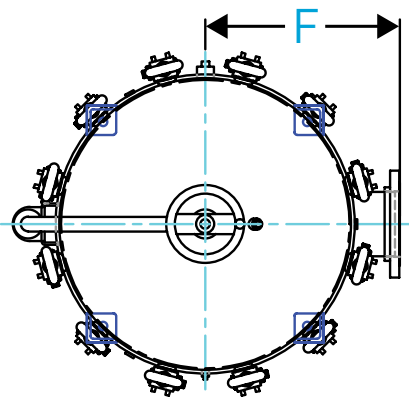
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MODEL	# OF ELEMENTS	CARTRIDGE SIZE	CONNECTION SIZE	DIMENSIONS													
					A	B	C	D	E	F	G	H	I	J	K	L	M
H3636	22	36"	4	IN	36.0	4.0	64.4	86.3	10.0	20.0	18.2	20.9	20.5	61.6	83.5	13.0	6.0
				MM	914	102	1,635	2,191	254	508	462	531	521	1,565	2,121	330	152
			6	IN	36.0	6.0	66.8	88.7	12.5	20.0	18.2	20.9	20.5	62.6	84.5	13.0	6.0
				MM	914	152	1,697	2,253	318	508	462	531	521	1,591	2,146	330	152
			8	IN	36.0	8.0	70.8	92.6	16.5	20.0	18.2	20.9	20.5	64.7	86.6	13.0	6.0
				MM	914	203	1,797	2,353	419	508	462	531	521	1,643	2,199	330	152
		44"	4	IN	36.0	4.0	72.4	94.3	10.0	20.0	18.2	20.9	20.5	69.6	91.5	13.0	6.0
				MM	914	102	1,838	2,394	254	508	462	531	521	1,769	2,324	330	152
			6	IN	36.0	6.0	74.8	96.7	12.5	20.0	18.2	20.9	20.5	70.6	92.5	13.0	6.0
				MM	914	152	1,900	2,456	318	508	462	531	521	1,794	2,350	330	152
			8	IN	36.0	8.0	78.8	100.6	16.5	20.0	18.2	20.9	20.5	72.7	94.6	13.0	6.0
				MM	914	203	2,000	2,556	419	508	462	531	521	1,846	2,402	330	152
H4242	31	36"	6	IN	42.0	6.0	76.3	103.2	16.5	28.0	27.6	29.5	30.5	67.7	94.7	15.0	6.0
				MM	1,067	152	1,937	2,621	419	711	702	749	775	1,719	2,404	381	152
			8	IN	42.0	8.0	80.5	107.4	20.8	28.0	27.6	29.5	30.5	69.7	96.6	15.0	6.0
				MM	1,067	203	2,045	2,729	528	711	701	749	775	1,770	2,454	381	152
			10	IN	42.0	10.0	84.5	111.4	25.0	28.0	27.6	29.5	30.5	71.8	98.8	15.0	6.0
				MM	1,067	254	2,146	2,831	635	711	701	749	775	1,824	2,508	381	152
		44"	6	IN	42.0	6.0	84.3	111.2	16.5	28.0	27.6	29.5	30.5	75.7	102.7	15.0	6.0
				MM	1,067	152	2,140	2,824	419	711	702	749	775	1,923	2,608	381	152
			8	IN	42.0	8.0	88.5	115.4	20.8	28.0	27.6	29.5	30.5	77.7	104.6	15.0	6.0
				MM	1,067	203	2,248	2,932	528	711	701	749	775	1,973	2,658	381	152
			10	IN	42.0	10.0	92.5	119.4	25.0	28.0	27.6	29.5	30.5	79.8	106.8	15.0	6.0
				MM	1,067	254	2,350	3,034	635	711	701	749	775	2,027	2,711	381	152
H4848	38	36"	8	IN	48.0	8.0	82.1	110.6	20.8	31.0	30.6	33.2	30.5	71.3	99.7	17.0	6.0
				MM	1,219	203	2,086	2,808	528	787	776	843	775	1,810	2,532	432	152
			10	IN	48.0	10.0	86.1	114.6	25.0	31.0	30.6	33.2	30.5	73.4	101.8	17.0	6.0
				MM	1,219	254	2,188	2,910	635	787	776	843	775	1,864	2,586	432	152
			12	IN	48.0	12.0	90.5	118.9	29.5	31.0	30.6	33.2	30.5	75.4	103.8	17.0	6.0
				MM	1,219	305	2,299	3,021	749	787	776	843	775	1,915	2,637	432	152
		44"	8	IN	48.0	8.0	90.1	118.6	20.8	31.0	30.6	33.2	30.5	79.3	107.7	17.0	6.0
				MM	1,219	203	2,289	3,011	528	787	776	843	775	2,013	2,735	432	152
			10	IN	48.0	10.0	94.1	122.6	25.0	31.0	30.6	33.2	30.5	81.4	109.8	17.0	6.0
				MM	1,219	254	2,391	3,113	635	787	776	843	775	2,067	2,789	432	152
			12	IN	48.0	12.0	98.5	126.9	29.5	31.0	30.6	33.2	30.5	83.4	111.8	17.0	6.0
				MM	1,219	305	2,502	3,224	749	787	776	843	775	2,118	2,840	432	152

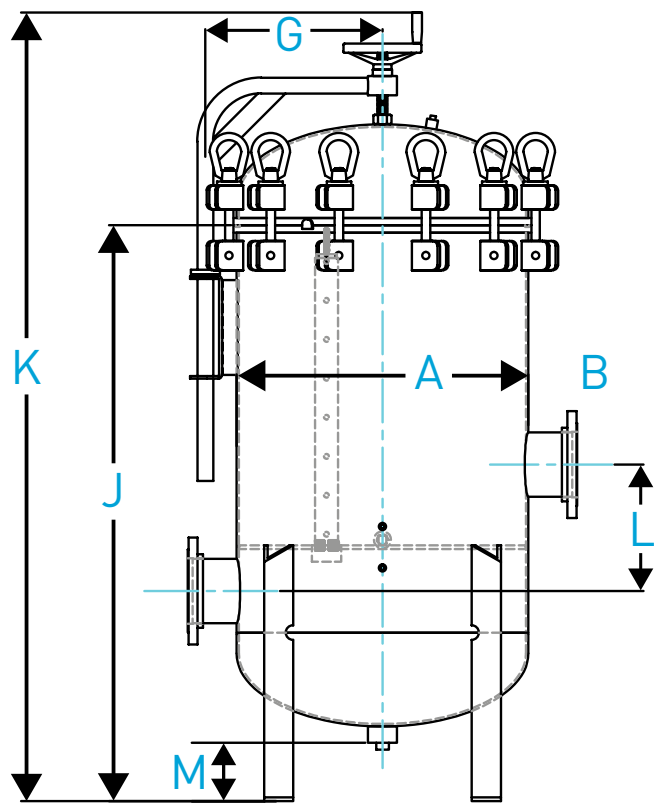
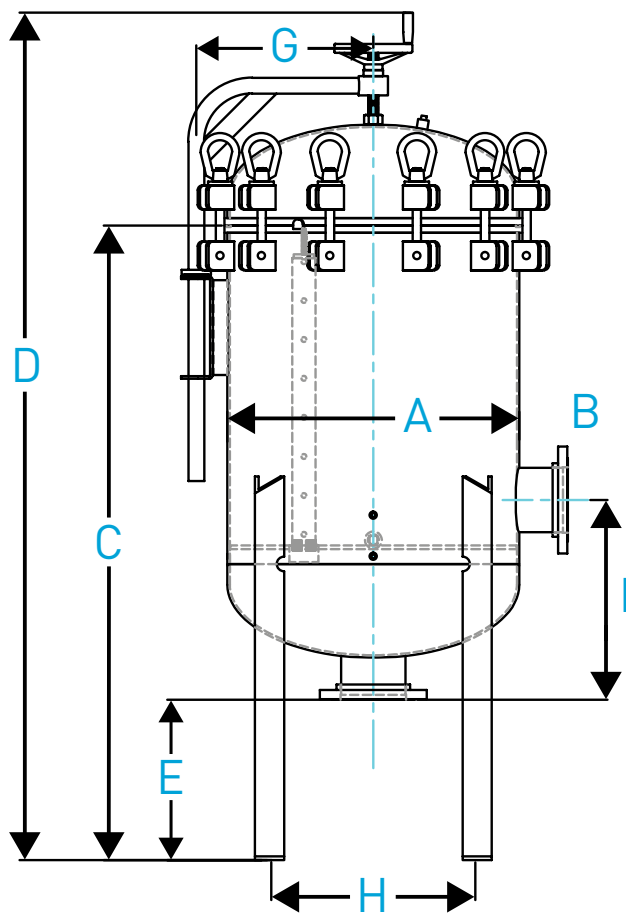
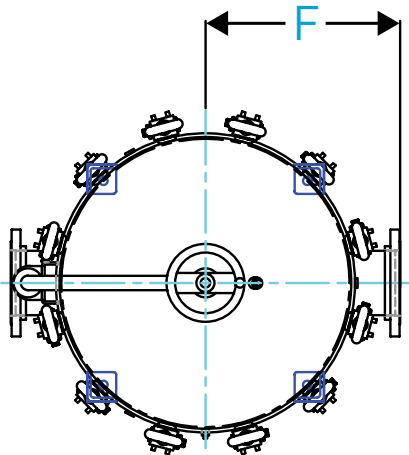
All dimensions are approximate. Dimensions are for carbon steel configurations.

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STYLE A - BOTTOM OUTLET

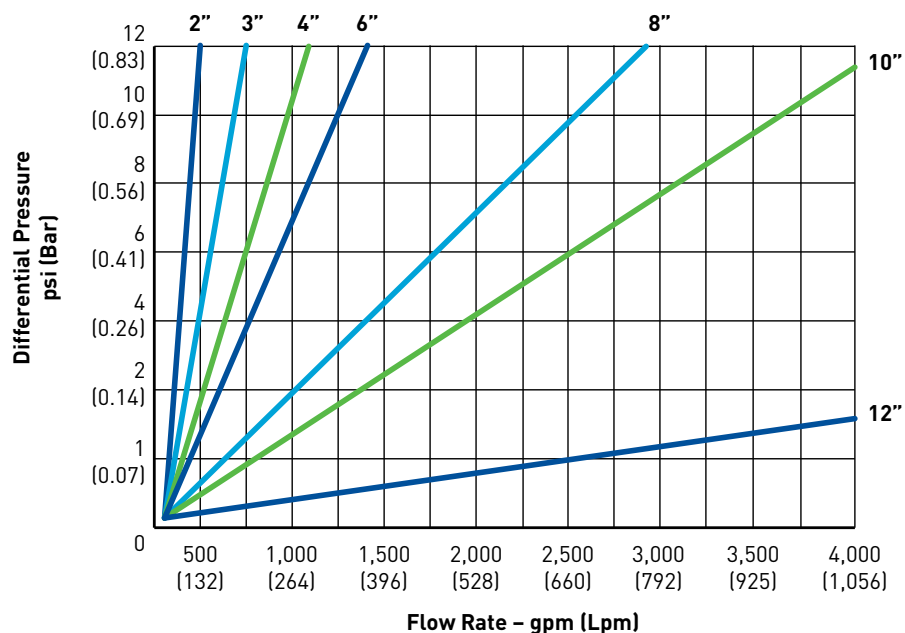


STYLE B - SIDE OUTLET



continued>>

PRESSURE DROP VS FLOW RATE

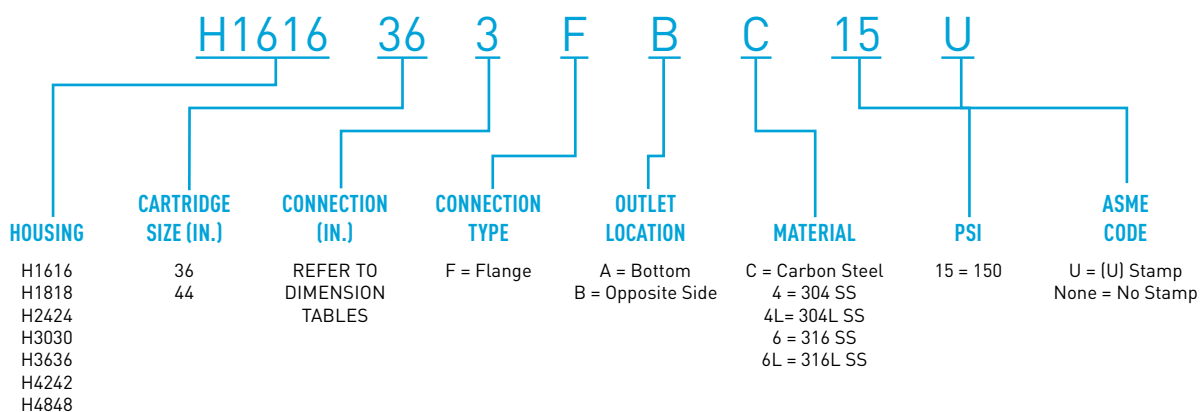


ORDERING INFORMATION

To create your ordering part number, use the part number configurator below.
 Custom configurations available. Please contact customer service.

HOUSING EXAMPLE: H1616363FBC15U

H1616 Housing (H1616), 36" cartridge (36), 3" connection (3)
 Flange connection (F), Outlet connection located on opposite side (B)
 Carbon steel (C), 150 psi (15), ASME Code (U) Stamp (U)



ACCESSORIES

STRAINER BASKETS
LIQUID BAG HOUSINGS



Strainer Baskets are available for all Liquid Bag and Inline Strainer Series Housings. Styles include perforated, pleated mesh and mesh-lined. Accessories include liquid displacers, hold-down springs and plastic top conversions.

FEATURES/BENEFITS



316 Stainless Steel Strainer Baskets with Positive Hold-down Springs

Heavy duty 304 or 316 Stainless Steel construction
Perforations from 1/16" to .25"
Mesh sizes from 2-200; Micron sizes from 2-20
Accepts standard size liquid bags

Safe-edge interior for easy bag removal
Tig-welded base on mesh-lined for a bypass-free filter
Standard pleated strainers are backed with .25" perforation
Standard mesh-lined strainers are backed with 9/64" perforation

APPLICATIONS

Commercial
Industrial

OEM REPLACEMENT BASKETS

American Felt
Commercial
Cuno
Filter Specialists (FSI)
Filtration Systems
GAF Filter Systems
Plenty
Ronnigen-Petter
Rosedale
Strainrite

STYLES & ACCESSORIES

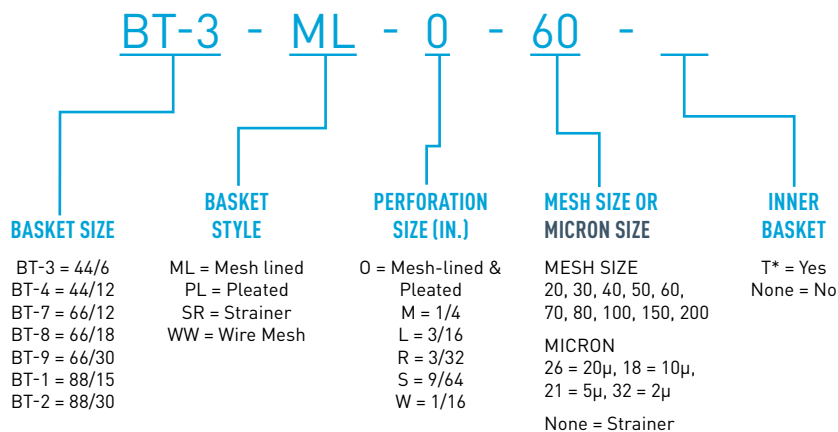
STRAINERS	ACCESSORIES
Perforated	Liquid displacer
Pleated Mesh	Hold-down spring
Mesh Lined	Plastic top conversion

ORDERING INFORMATION

To create your ordering part number, use the part number configurator below.
Custom configurations available. Please contact customer service.

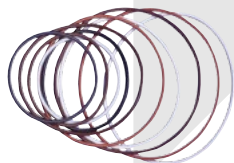
BASKET EXAMPLE: BT-3-ML-0-60

44/6 size housing (BT-3), Mesh-lined basket (ML), Mesh-lined and pleated (0)
 60 mesh size (60)



** Inner basket not available for model numbers 44 and 66*

O-RINGS



We offer O-rings in hundreds of sizes and material options. Contact us with your specific application requirements.

MATERIALS

Buna-N	FEP (Solid)
Ethylene, Propylene	FKM Encapsulated with FEP
Silicon Encapsulated with FEP, an FDA-approved material	FKM (Solid)
Silicone (Solid)	

PERFORMANCE

Buna-N	Effectively resists petroleum based oils and like hydraulic fluids. Known for a good compression set and abrasion resistance. Is not compatible with strong acids or ketones. Temperature range is -65 to +275 degrees F. Has a Shore A hardness of 70.
Ethylene, Propylene	Effectively resists phosphates ester based hydraulic fluids, also offers a high abrasion resistance. Works well with ketones and silicone based liquids. Is not compatible with petroleum fluids. Temperature range is -65 to +300 degrees F. Has a Shore A hardness of 70.
Silicone Encapsulated with FEP	Silicone is similar to FKM with the exception of having a slightly lower compression set resistance. It is more suitable for sensitive applications where lighter compressive forces are applied to energize the seal. Temperature range of -65 to 450 degrees F. This core has a Shore A hardness of 70.
Silicone, Solid	Effectively resists temperatures fluctuations and high alkaline liquids. Is not compatible with ketones or most petroleum oils. Temperature range of -65 to 450 degrees F. Has a Shore A hardness of 70.
FEP, Solid	Superior lubricity plus excellent chemical resistance for a wide range of applications. Requires higher compressive force to energize the seal. Temperature range of -300 to +500 degrees F. Has a Shore D hardness of 60.
*FKM Encapsulated with FEP	A fluoroelastomer compound with a combination of exceptional mechanical properties and compression set resistance. This particular core gives an O-ring excellent "memory" and the ability to recover rapidly from deformation. This core has a Shore A hardness of 75 with a suggested operating temperature range of -10 to 300 degrees F in encapsulated applications.
FKM, Solid	Offers a wide spectrum of chemical compatibility and temperature range. Works well with petroleum products, silicone fluids, solvents and most acids. Is not for use with ketones, methyl alcohol. Temperature range of -31 to +400 degrees F. Has a Shore A hardness of 75.

**Definition of an encapsulated O-ring: Consists of two materials, a jacket and a core. Pentair offers the jacket, or external compound in FEP PTFE. FEP is versatile when considering overall corrosion resistance, sealing capability and temperature; FEP is also an FDA-approved material. Our two core materials offered are silicone and FKM. The core material is the component which imparts "memory" to the encapsulated O-ring when it is subjected to compressive force.*

TERMS & CONDITIONS OF SALE

The Terms and Conditions of Sale appearing below govern the sale of goods and/or services sold or supplied by Pentair Residential Filtration, LLC, Pentair Filtration Solutions, LLC and each of their respective international affiliates, referred to herein as "Seller" while the purchaser is referred to herein as "Buyer". The parties agree that even if these Terms and Conditions of Sale do not accompany every product sold by Seller, these Terms and Conditions of Sale shall govern all sales made by Seller until such time as new terms and conditions are provided by Seller to Buyer.

ACCEPTANCE

Buyer's order is accepted upon the following terms and conditions. If the terms stated in Buyer's order are inconsistent with these terms, this shall constitute a counteroffer and Buyer shall be deemed to have accepted Seller's terms unless it notifies Seller to the contrary in writing within three (3) days after receiving Seller's acknowledgment. Minimum order requirements may apply based on the product you are ordering; confirm any minimum order requirements with your account manager. No additions to or modifications of any of the terms and conditions hereof shall be effective unless made in writing and signed by both parties. These Terms and Conditions constitute the entire agreement between the Seller and Buyer for the purchase and sale of the goods and/or services identified on Seller's acknowledgment of Buyer's purchase order and supersede all other proposals and quotations.

DESCRIPTION OF GOODS

The only specifications that are a part of this Agreement are those written specifications acknowledged in writing by Seller and which Seller has initialed and attached to the applicable acknowledgment of Buyer's purchase order.

CANCELLATION

Cancellation of orders by Buyer can only be made with Seller's prior written consent. If the product is being built to Buyer's specification, Buyer is responsible for all expenses incurred by Seller, including any raw materials and other non-cancelable commitments, or a minimum 25% cancellation charge, whichever is greater. Domestic orders: Orders canceled less than 5 days prior to the scheduled delivery date shall be finished and billed at contract price. Export Orders: Orders canceled less than 10 days prior to the scheduled delivery date shall be finished and billed at contract price.

QUOTATIONS AND PRICES

Orders will be billed at the price in effect at the time of order, unless otherwise specified in the quotation. All orders require a valid customer PO number and written confirmation prior to acceptance by Seller. Quotations are valid for thirty (30) days unless otherwise specified and represent no obligation until the purchase order is acknowledged and accepted by Seller. The price and performance of orders are subject to resource availability and costs within the control of Seller at the time of manufacture. Seller reserves the right to cancel or adjust prices and delivery without notice. Unless otherwise stated in writing by Seller, all prices quoted shall be exclusive of and Buyer shall pay the cost of transportation, insurance, taxes (including, without limitation, any sales, use, or similar tax), license fees, customs fees, duties and other charges related thereto. All clerical errors are subject to correction. Any price discrepancy on orders will require a revised PO from Buyer.

PAYMENT

Subject to the provisions of Seller's credit policy, payment terms are 1%/10 net 30 days from date of invoice unless otherwise noted on the invoice. Thereafter, interest shall accrue on unpaid amounts at the lesser of the maximum rate allowable under law or at the rate of 1.5% per month. All payments must be made in US funds. Buyer shall be liable for Seller's costs of collection, including, without limitation, reasonable attorneys' fees.

DELIVERY/SHIPMENT AND EXPORT CONTROLS

Delivery & Shipment - Shipping date(s) proposed by Seller constitutes only an estimate on the part of Seller. Buyer's PO must specify preferred carrier or order will be shipped via best way, prepay and added to the invoice. Delivery of goods to a carrier at the Named Place (whether Seller's plant or whatever other place is identified and agreed) shall constitute delivery. Terms used shall be defined as in Incoterms 2010 Rules. Title to goods purchased hereunder, as well as the risk of loss, shall in domestic sales pass to Buyer at the Seller's door, and shall in international sales pass to Buyer upon entry into international waters, entry into international airspace, or the crossing of an international border, with the sole exception of banked transactions (L/C, DAA, DAP) in which case the transfer of title occurs upon exchange of documents at the bank window, and the transfer of risk of loss occurs upon entry into international water, international airspace, or the crossing of an international border. Buyer shall make claims for loss or damage to goods while in transit against the carrier. Additional charges will be incurred by Buyer for special processing for export orders and drop shipments outside of the United States of America. To the extent applicable, Buyer agrees to comply with relevant hazardous materials shipping regulations when reselling any good classified as a hazardous material. Seller reserves the right to make partial shipments. Buyer agrees to comply with all U.S. export controls and regulations and will not sell, ship to, or otherwise involve Seller's goods with any banned country or denied party on any banned list in violation of U.S. export controls and regulations. Buyer shall notify Seller if any goods ordered are intended for use in a military application. If Buyer provides components, molds, or other technology bearing a classification other than EAR-99, Buyer shall notify Seller prior to providing such items.

INSPECTION/RETURNS

Upon receipt of the goods, Buyer shall promptly and without delay examine the goods as to their condition, quality and quantity. Unless the Buyer notifies Seller in writing to the contrary within eight (8) business days from the date of receipt of the goods, the goods shall be deemed to have been duly received and accepted as to condition, quality and quantity, without apparent damage. Authorization and shipping instructions for the return of any saleable goods must first be obtained from Seller; otherwise return shipments will be refused. The return of goods is limited to no longer than one (1) year from the date of purchase, verified by invoice. Goods built to Buyer's or an end user's specifications and special orders cannot be returned. Transportation charges on returned goods must be prepaid and are Buyer's responsibility. Goods may be returned for credit only. Returned goods must be carefully packed so as to reach Seller without damage. A 25% restocking charge will be deducted from any credit memorandum issued for returned goods. If goods are returned due to some fault of Seller, full credit will be issued, including whatever transportation costs Buyer may have incurred, provided the return has been authorized by Seller in writing and is in accordance with the packing and shipping instructions provided by Seller.

** Any non-certified product or component that is sold in combination with an NSF-certified product has not been evaluated to the respective NSF standard.*

WARRANTIES

Unless otherwise provided in a warranty for the specific product purchased or unless required by local law, Seller hereby warrants that all goods purchased hereunder shall be free from material defects in material and workmanship for a period of one (1) year from the date of shipment to Buyer. If within such one-year period such goods shall be proven to be materially defective to Seller's reasonable satisfaction, then such defective goods shall be repaired or replaced at Seller's sole option. In the event the goods cannot be repaired or replaced, Seller shall issue a credit to Buyer for the purchase price of the defective goods. Such repair, replacement, or refund shall constitute a fulfillment of all liabilities in respect of such goods. The warranty for all goods sold by Seller but manufactured by others shall be the warranty provided by such manufacturer for such goods. Seller shall take all commercially reasonable efforts (other than the payment of money) to provide the manufacturer's warranty to Buyer. THE FOREGOING WARRANTIES ARE EXCLUSIVE AND ARE IN LIEU OF ALL OTHER EXPRESS OR IMPLIED WARRANTIES WHATSOEVER (EITHER IN FACT OR BY OPERATION OF LAW), INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE. Seller is not liable for damage to goods, property or persons arising out of the improper installation of such goods; modification, repair or tampering of such goods by anyone other than Seller; misuse of the goods; or utilization of the goods under conditions exceeding specifications for such goods. Seller is not liable for defective goods if the defect is caused by or is a result of a design supplied by anyone other than Seller. In instances where the design is provided by a party other than Seller, Seller will build the goods to the design; however, in no event shall Seller be liable for the failure of the goods to function or perform as anticipated by Buyer, when lack of functionality or performance is due to the design. Pentair Residential Filtration, LLC product warranties may be found by visiting www.everpure.com for Everpure products, www.americanplumber.com for American Plumber products, www.wellmate.com for WellMate products, www.pentairindustrial.com for Industrial Products, and www.pentairaquia.com for all other products manufactured by Pentair Residential Filtration, LLC. Pentair Filtration Solutions, LLC product warranties may be found by visiting the applicable product website or upon request from the sales representative.

LIMITATION OF LIABILITY

SELLER SHALL HAVE NO LIABILITY TO ANY PERSON FOR PUNITIVE, INDIRECT, SPECIAL, INCIDENTAL, CONTINGENT OR CONSEQUENTIAL DAMAGES OF ANY DESCRIPTION OR LOSS OF USE, REVENUE OR PROFITS, WHETHER ARISING OUT OF WARRANTY OR OTHER CONTRACT, NEGLIGENCE OR OTHER TORT, OR OTHERWISE.

INSURANCE

Seller shall obtain and maintain appropriate insurance coverage with limits sufficient to cover the liabilities outlined in these terms and conditions. Seller will provide a basic certificate of insurance evidencing coverage at request of Buyer; however, in no event will Buyer be added as an additional insured on Seller's policies.

Marine Insurance: The party responsible for paying the main transportation shall provide full cargo insurance coverage – defined as door-to-door, "A" cover, all risk, marine, war, strike and riot – regardless of the shipping terms, with the exception of CFR/CPT Incoterms, in which insurance is the buyer's responsibility. On E and F terms, plus CFR and CPT, the buyer shall provide full cargo insurance coverage. On D terms, plus CIF and CIP, the seller shall provide full cargo insurance coverage.

For destinations and/or cargo on which governmental or insurance restrictions require additional approvals and/or premiums, or a split in coverage other than house-to-house, the responsible party/parties shall take such additional measures to ensure that the shipment is appropriately covered.

TOOLING

Unless specifically provided in writing executed by the Seller and the Buyer, any equipment (including, but not limited to, jigs, dies, tools, molds and patterns) made for the manufacture of customer specified goods or products shall be, and remain, the sole property of Seller notwithstanding that Buyer may have been charged for all or part of the cost therefor.

ENGINEERING / DESIGN CHANGES

Seller reserves the right to make design, specification and/or engineering changes to its products without prior notification to Buyer. Title to, and full and unrestricted ownership and right to use all designs, specifications and engineering information provided by Seller shall at all times be and remain vested in Seller.

GOVERNING LAW

This Agreement shall be deemed to have been made in and shall be construed in accordance with and governed by the laws of the State of Minnesota, without regard to the conflict of law provisions thereof, and shall be subject to the exclusive jurisdiction of the state and federal courts sitting in the State of Minnesota. The United Nations Convention on Contracts for the International Sale of Goods shall not apply.

FORCE MAJEURE

Seller shall not be under obligation or have any liability that may arise out of any delay in its performance or nonperformance caused directly or indirectly by fire, explosion, accidents, strikes, embargoes, floods, epidemics, quarantine restrictions, unusually severe weather, labor shortage, war, act of or authorized by any government, inability to obtain suitable material, equipment, fuel power or transportation, or act of God or arising from contingencies, occurrences or causes beyond the reasonable control of Seller. In the event of delay due to any of the foregoing, the estimated shipping date shall be extended for a period equal to the time lost by reason of such delay. Quantities sold hereunder affected by any of the foregoing circumstances may be eliminated without liability, but these Terms and Conditions shall otherwise remain unaffected.

ATTORNEY'S FEES

In the event either party is required to bring an action in connection with the goods sold under these Terms or Conditions of Sale or any action in connection with collection of amounts due to Seller hereunder, the prevailing party shall be entitled to recover all of its costs and expenses including reasonable attorneys' fees.

** Any non-certified product or component that is sold in combination with an NSF-certified product has not been evaluated to the respective NSF standard.*



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