



PROCESS FILTRATION PRODUCT CATALOG



SUPPORTING PROCESS AND PRODUCT INTEGRITY

Liquid Filtration • Sterile Air • Culinary Steam • Tank Venting • Industrial Air

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PRODUCT OFFERING

PROCESS FILTER HOUSINGS



PF-EG SANITARY LIQUID

- 1" - 3" Tri-Clamp® connections
- 1 - 215 gpm
- 316L SS
- 3-A stamped & certified
- Sanitary design



P-FG LIQUID

- 2" - 8" connections
- 50 - 1,000 gpm
- 304 & 316L SS
- Duplex kit available



P-PT LIQUID

- 3/4" - 1" connections
- 7 - 21 gpm
- 316L SS



PG-IL SANITARY LIQUID & GAS

- 1-1/2" Tri-Clamp® connection
- 3 - 24 gpm
- 215 - 1,296 scfm
- 316L SS
- 3-A, BPE & CRN



L-BH SINGLE BAG LIQUID

- Four sizes available
- 316L SS, 304L SS or carbon steel
- Clamp or swing bolt closure



L-BH MULTI-BAG LIQUID

- 316L SS or 304L SS
- Clamp or swing bolt closure
- 2, 4, 5, 6 and 8 bag models



P-BE VENT

- 1 1/2" - 8" connections
- 10 - 1,183 scfm
- 304 & 316L SS



PG-EG SANITARY GAS & STEAM

- 1/2" - 8" connections
- 36 - 12,672 scfm
- 100 - 17,100 lbs/hr
- 304 & 316L SS
- 3-A stamped & certified



P-EG GAS & STEAM

- 1/4" - 8" connections
- 36 - 12,672 scfm
- 100 - 17,100 lbs/hr
- 304 & 316L SS
- CRN



HD HIGH PRESSURE

- 1/4" - 2" FNPT
- 925 & 5,800 psig
- 144 - 21,600 scfm
- Aluminum & carbon steel

PROCESS FILTER ELEMENTS (FOR PROCESSED FOOD AND BEVERAGE)

STERILE AIR/GAS FILTRATION



P-SRF

- Depth air
- > 99.99998% @ > 0.2 µm
- Steam sterilizable
- PTFE support layer
- No binder



LIFETEC™ P-SRF V FILTER

- Pleated depth air
- > 99.99999995% @ > 0.2 µm
- Steam sterilizable
- Epoxy resin binder



LIFETEC™ P-SRF X FILTER

- Pleated membrane air
- > 99.99999995% @ > 0.2 µm
- Steam sterilizable



LIFETEC™ PT N FILTER

- Pleated PTFE membrane
- > 99.99999% @ 0.2 µm
- Steam sterilizable

LIQUID FILTER BAGS



L-BE

- Needle felt polypropylene or polyester
- Nominal 1 - 250 µm
- Polypropylene or 304 SS ring
- #2 size bags

SINGLE USE CAPSULES



SINGLE USE CAPSULES

- Pre-sterilized, pleated, hydrophilic, PES membrane
- 0.1-0.45 micron
- Validation guide available upon request

DEPTH FILTER ELEMENTS FOR LIQUID FILTRATION



PP-FC & PP-FC 100

- Melt blown polypropylene
- Nominal 1 - 75 µm
- Absolute 1 - 75 µm



PP-Q & PP100-Q

- Pleated polypropylene depth
- Nominal 0.2 - 50 µm
- Absolute 0.2 - 50 µm



LIFETEC™ PP N & PP100 N FILTERS

- Pleated polypropylene depth
- Nominal 0.45 - 30 µm
- Absolute 0.6 - 10 µm
- Steam sterilizable

LIQUID MEMBRANE FILTER ELEMENTS



LIFETEC™ PES-WN FILTER

- Pleated polyethersulfone membrane
- 0.2 - 0.6 µm
- Steam sterilizable
- HIMA/ASTM validation



LIFETEC™ PES-BN-A FILTER

- Pleated polyethersulfone membrane
- 0.45 - 0.65 µm
- Steam sterilizable
- Used for microbial stabilization of highly colloidal liquids

DEPTH FILTER ELEMENTS FOR STEAM FILTRATION



LIFETEC™ P-GSL N FILTER

- Pleated 304 SS fleece
- 1 - 250 µm
- Cleanable using ultrasonic bath or backflushing



P-GS

- Sintered 316 SS
- 1, 5, 25 µm
- Cleanable using ultrasonic bath or backflushing

INDUSTRIAL FILTER HOUSINGS



DF SERIES ALUMINUM

- 1/4" - 2 1/2" FNPT
- 20 - 853 scfm
- CRN



SG STEEL

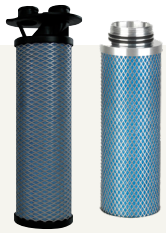
- 3" - 6" ANSI flange
- 1,129 - 4,608 scfm
- ASME stamped



DF-C CYCLONE SEPARATOR

- 1/2" - 2" FNPT
- 70 - 647 scfm

INDUSTRIAL FILTER ELEMENTS



COALESCING

- Residual oil content <0.01 - 1 ppm



ACTIVATED CARBON

- Residual oil content <0.003 ppm



DF-THREE

- 29-65 scfm
- Particulate, coalescing & activated carbon filtration in one element



BURAN

- 20 - 500 scfm
- Protect equipment against corrosion & failure
- Stable 37°F dew point for optimal performance

ADSORPTION DRYERS



ULTRAPAC™ SMART DRYER

- 3 - 60 scfm
- Powerful UltraSilencer
- Stable -40°F pressure dew point



OILFREEPAC™ SMART OFF DRYER

- 3 - 60 scfm
- Powerful UltraSilencer
- Residual oil content <0.003 ppm



ULTRASEP US OIL/WATER SEPARATORS

- 124 - 2119 scfm compressor capacity



UFM-D ZERO-LOSS CONDENSATE DRAIN VALVE

- 80 - 4,590 scfm compressor capacity

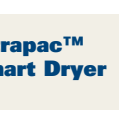


P-EG STEAM TRAP/CONDENSATE DRAIN

- Used with P-EG housing
- Float drain
- 304 SS drain & 316 SS components

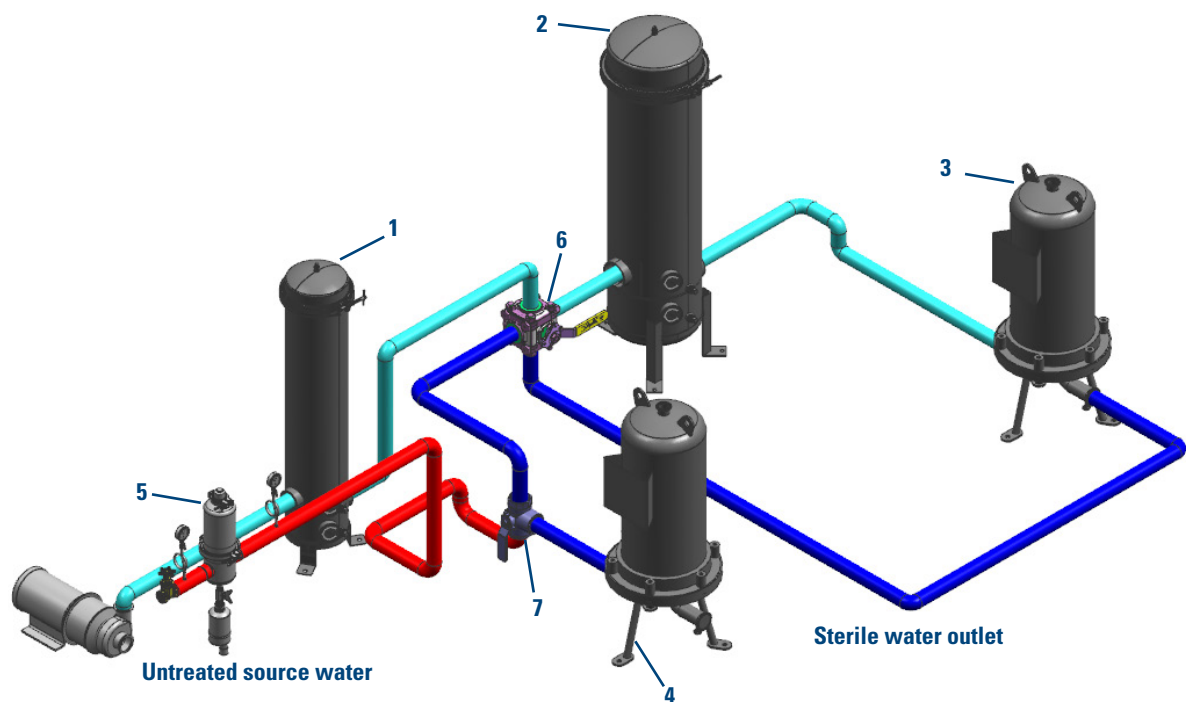
CONDENSATE MANAGEMENT

PRODUCT SELECTOR

Industrial Gases Filtration	Bulk Water Removal	 DF-C					
	Particulate Removal	 DF	 SG	 HD	 DF-Three		
	Coalescing	 DF	 SG	 HD	 V, M, S	 CF, FF, MF, SMF	 DF-Three
	Heavy Hydrocarbon Removal	 DF-A	 DF-Three	 A	 AK		
	Sterile Air/Gas	 P-EG	 PG-EG	 P-SRF	 LIFETEC™ P-SRF V FILTER	 LIFETEC™ P-SRF X FILTER	 LIFETEC™ PT N FILTER
	Condensate Removal	 UFM-D	 P-EG Steam Trap/Condensate Drain	 ULTRASEP US			
	Drying	 Ultrapac™ Smart Dryer	 Oilfreepac™ Smart OFP Dryer	 Buran			
Process Filtration For Processed Food & Beverage	Steam	 P-EG	 PG-EG	 P-GS	 LIFETEC™ P-GSL N FILTER	 P-EG Steam Trap & Thermal Insulation Jackets	
	Air/Gas	 P-EG	 PG-EG	 P-FF, P-MF & P-SMF	 P-AK	 LIFETEC™ P-GSL N FILTER	
		 P-SRF	 LIFETEC™ P-SRF V FILTER	 LIFETEC™ P-SRF X FILTER	 LIFETEC™ PT N FILTER		
	Liquid	 PF-EG	 P-FG	 PG-IL	 P-PT	 L-BH	 LIFETEC™ P-GSL N FILTER
		 L-BE	 PP-FC PP-FC 100	 PP-Q P100-Q	 LIFETEC™ PP N LIFETEC™ PP100 N FILTERS	 LIFETEC™ PES-WN LIFETEC™ PES-BN-A FILTERS	
Tank Vent	 P-BE	 LIFETEC™ PT N FILTER	 LIFETEC™ P-SRF V FILTER	 LIFETEC™ P-SRF X FILTER			

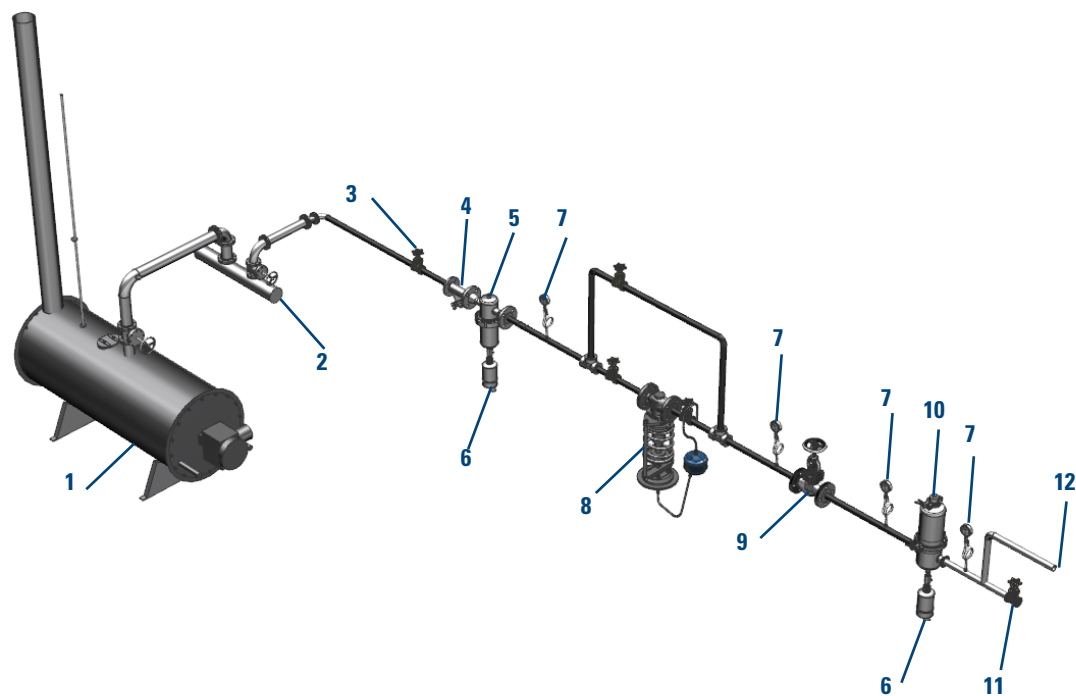
UTILITY DIAGRAMS

RECOMMENDED STERILE LIQUID SYSTEM



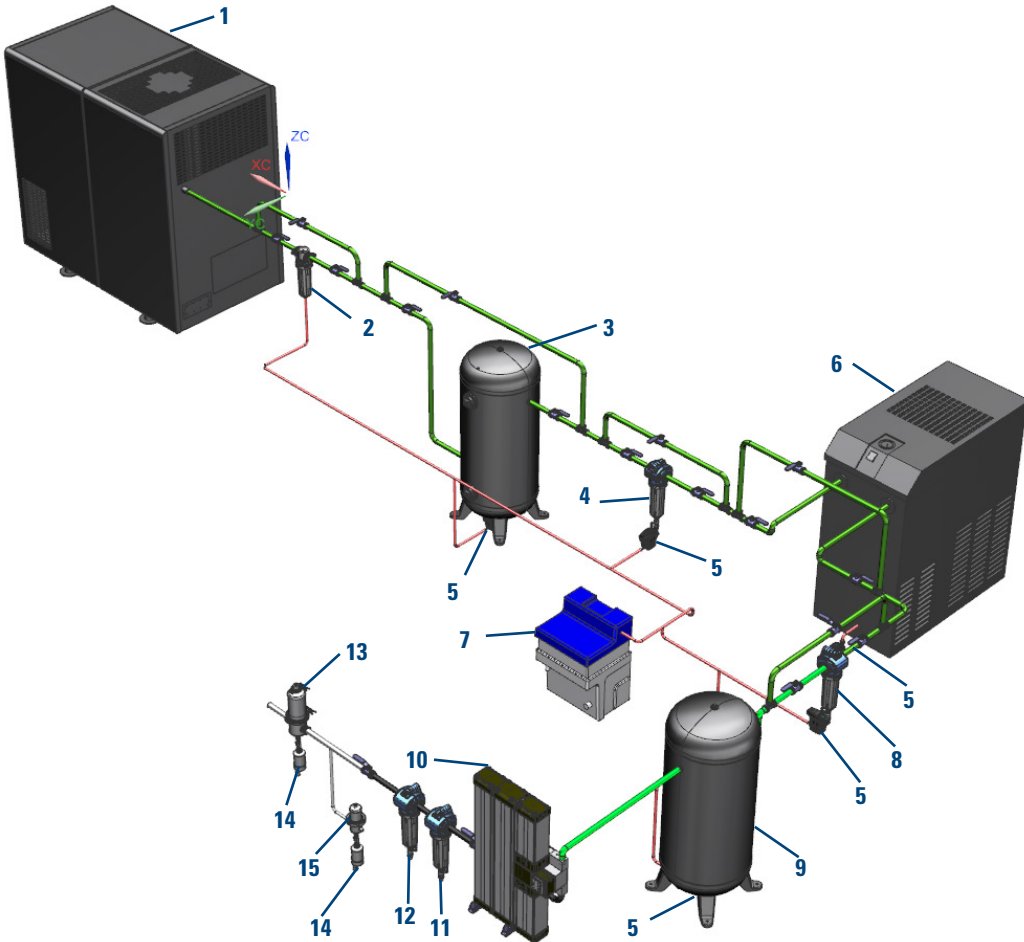
No.	Description	Purpose
1	P-FG Housing and PP-TF Element	Coarse water pre-filter removes sediment, rust and sand
2	P-FG Housing and Carbon Block Element	Pre-filter removes unwanted source water treatment chemicals such as chlorines
3	PF-EG Housing and PP100 Element	Membrane pre-filter protects more expensive membrane from fouling
4	PF-EG Housing and LifeTec™ PES-WN Element	Final sterilizing membrane filter removes micro-organisms from process stream
5	P-EG Housing and P-GS Element	Steam sterilization of sterile liquid membrane filters LifeTec™ PES-WN
6	Four-way Sanitary Valve	Allows for isolation of carbon filter and membrane pre-filter for servicing without interruption of process flow
7	Three-way Sanitary Valve	Allows steam to be introduced to final sterile filter assembly for sterilization

RECOMMENDED CULINARY STEAM SYSTEM



No.	Description
1	Boiler
2	Steam Header
3	Stop Valve
4	Strainer
5	Entrainment Separator (P-EG housing with 25 µm LifeTec™ P-GSL N element)
6	Condensate Trap
7	Pressure Gauge
8	Pressure Reducing Valve
9	Steam Throttling Valve
10	Culinary Steam Filter (PG-EG housing with 5 µm P-GS element)
11	Sampling Valve
12	Sanitary Check Valve and Tubing to Process

RECOMMENDED STERILE AIR SYSTEM



No.	Description
1	Air Compressor with Aftercooler
2	DF-C Cyclone Separator
3	Wet Storage Tank
4	DF Filter with V-Grade Coalescing Filter
5	UFM-D Zero-Loss Condensate Drain
6	Refrigerated Dryer - Buran
7	US Oil/Water Separator
8	DF Filter with M-Grade Coalescing Filter
9	Dry Storage Tank
10	Ultrapak™ Smart Dryer
11	DF Filter with S-Grade Particulate Filter
12	DF Filter with A-Grade Carbon Adsorption Filter
13	PG-EG Sanitary Housing with LifeTec™ P-SRF V Sterile Filter
14	Condensate Trap/Drain
15	P-EG Housing with P-GS 5 µm Steam Filter

ELEMENT SELECTION GUIDE

Donaldson offers a full range of process filter elements that are available in a wide variety of materials, micron ratings, and end connections to match the specific requirements of your process or existing filter housing. The table below serves as a quick reference to help select the type that best meets your need.

			P-GSLN	P-GS	PP-FC	PP-FC 100	PP N	PP100 N	PES-WN	PES-BN-A	P-SRF	P-SRF V	P-SRF X	PTN	P-FF	P-MF	P-SMF
Application	Gases		X	X							X	X	X	X	X	X	X
	Liquids		X		X	X	X	X	X	X							
	Steam		X	X													
Media Type	Depth		X	X	X	X	X	X			X	X			X	X	X
	Pleated		X				X	X	X	X		X	X	X			
	Membrane								X	X			X	X			
Media Material	Hydrophilic	304 SS Mesh	X														
		316 Sintered SS		X													
		Polypropylene			X	X	X	X									
		Polyethersulfone							X	X							
		Sintered Bronze															
	Hydrophobic	Polyethylene															
		PTFE											X	X			
		Borosilicate									X	X			X	X	X
Micron Rating	0.01										X	X			X	X	X
	0.2								X		X	X	X	X			
	0.4 / 0.45						X		X	X							
	0.6							X	X	X							
	0.8							X									
	1		X	X	X	X	X	X									
	2.4							X									
	3				X	X	X										
	5		X	X	X	X	X	X									
	10				X	X	X	X									
	15																
	20				X	X											
	25		X	X													
	30				X	X	X										
	50		X		X	X											
	75				X	X											
	100		X														
	250		X														
Rating Type	Absolute		X	X		X		X	X	X	X	X	X	X	X	X	X
	Nominal				X		X										

RECOMMENDED REPLACEMENT INTERVALS

As regulations and best practices become more stringent, it is important for manufacturing facilities to know the appropriate replacement schedule for elements that protect their process and product integrity. If a defined replacement schedule is not available for preventive maintenance of filtration elements, consider the following recommended replacement intervals.

HOUSING	REPLACEABLE PART TYPE	APPLICATION	RECOMMENDED REPLACEMENT INTERVAL				STEAM STERILIZATION CYCLES
			3 MOS	6 MOS	12 MOS	5 YRS	
DF 	V, M, S	Compressed air			X		
	A	Compressed air	X				
SG, HD 	SB, CF, FF, MF, SMF, FFHTNX, MFHTNX, SMFHTNX	Compressed air			X		
	AK	Compressed air	X				
	SBP, FFP, MFP, SMFP	Compressed air			X		
UFM Drains 	UFM-D, UFM-T, UFM-P, Service Kits	Condensate management				X	
P-EG, PG-EG, P-BE 	LifeTec™ P-SRF V, LifeTec™ P-SRF X*, LifeTec™ PT N Filters	Sterile air, gas		X			Up to 150 cycles *Up to 250 cycles
	P-GS, LifeTec™ P-GSL N Filters	Steam			X		Or after 6 cleanings
P-FG, P-PT 	PP-FC, PP-FC 100	Liquid	X				
	LifeTec™ PP N, LifeTec™ PP100 N, PP-Q, PP100-Q Filters	Liquid		X			

HOUSING	REPLACEABLE PART TYPE	APPLICATION	RECOMMENDED REPLACEMENT INTERVAL				STEAM STERILIZATION CYCLES
			3 MOS	6 MOS	12 MOS	5 YRS	
PF-EG, PG-IL 	LifeTec™ PES-WN, LifeTec™ PES-BN-A Filters	Liquid	X				Up to 100 cycles
	LifeTec™ P-GSL N Filters	Liquid		X			Or 6 ultrasonic baths
PG-EG, P-EG 	LifeTec™ PT N, P-FF, P-MF, P-SMF, P-SB Filters	Compressed air, gas			X		
	P-AK	Gas	X				
Ultrapac™ Smart & Oilfreepac™ Smart OFP Dryers 	DF-S Ultrapleat™ Filter	Compressed air	Every 3 months, check integrity with dryer screen for element status				
	Desiccant cartridges & activated carbon cartridges						
US Oil/Water Separators 	Carepac	Compressed air	Every year or when the element life indicator (white) becomes flush with the lid				
	Gaskets	Gaskets	At least every year or with every element replacement				

Important Notice: Many factors beyond the control of Donaldson can affect the use and performance of Donaldson products in a particular application, including the conditions under which the product is used. Since these factors are uniquely within the user's knowledge and control, it is essential the user evaluate the products to determine whether the product is fit for the particular purpose and suitable for the user's application. All products, specifications, availability and data are subject to change without notice, and may vary by region or country.

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Finding and Ordering Parts
for Any Industry



L-BH SINGLE BAG LIQUID HOUSINGS

304 SS¹

Model Number	Closure	Connection	Bag Size	Qty	Item
L-BH 0201	Clamp	2" ANSI Flange	2	1	AG1252620
L-BH 0201	Clamp	3" ANSI Flange	2	1	AG1252621
L-BH 0201	Clamp	2" FNPT	2	1	AG1252622
L-BH 0201	Swing Bolt	2" ANSI Flange	2	1	AG1252628
L-BH 0201	Swing Bolt	3" ANSI Flange	2	1	AG1252629
L-BH 0201	Swing Bolt	2" FNPT	2	1	AG1252630

316L SS¹

Model Number	Closure	Connection	Bag Size	Qty	Item
L-BH 0201	Clamp	2" ANSI Flange	2	1	AG1252624
L-BH 0201	Clamp	3" ANSI Flange	2	1	AG1252625
L-BH 0201	Clamp	2" FNPT	2	1	AG1252626
L-BH 0201	Swing Bolt	2" ANSI Flange	2	1	AG1252632
L-BH 0201	Swing Bolt	3" ANSI Flange	2	1	AG1252633
L-BH 0201	Swing Bolt	2" FNPT	2	1	AG1252634

¹ ASME U-stamped designs are available upon request.

Materials

Head / Shell #1 and #2 Sizes	316L SS, 304 SS
Head / Shell #3 and #4 Sizes	316L SS
Mounting Legs	304 SS
Gaskets	EPDM
Baskets	1/8" perforated stainless steel

Connection Types

Inlet/Outlet	2" FNPT (#2 sizes) Optional: RF flanges or sanitary ferrules
Drain Port	1/2" FNPT (#1 and #2 sizes)
Gauge Ports	1/4" FNPT - clean and dirty sides (#1 and #2 sizes)
Vent Port	1/4" NPT plug

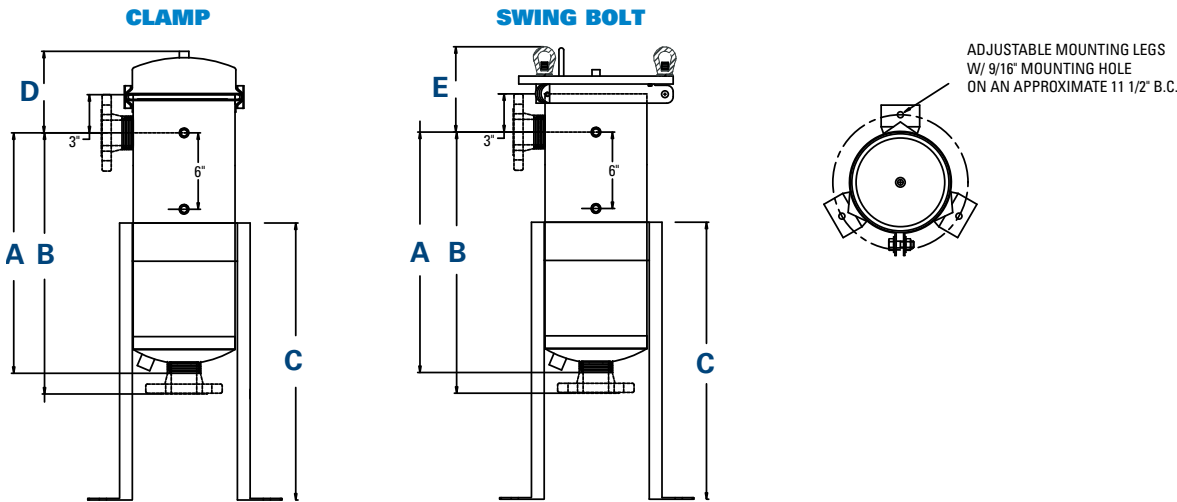


Replacement Gaskets

Housing Model	Part Type	Material	Item Number	Qty per Pkg
L-BH 0201 Clamp	Housing seal	EPDM	AG1253414	1
L-BH 0201 Swing Bolt	Housing seal	EPDM	AG1253415	1

Bag Size	Closure	Max Flow Rate ¹ (gpm)	Drain Size	Dimensions (inches)				
				A	B	C	D	E
Size 2	Clamp or Swing Bolt	150	1/2"	34.9	22.8	21.8	3.0	6.7

¹ Flow rates are guidelines only. Actual flow rates are based upon fluid, viscosity, bag type, micron ratings and other factors



Maximum Operating Pressure

150 psig @ 300°F

Options

Side Inlet / Side Outlet (#2 size)

Product Selection

Bag Size	Material	Inlet/Outlet Connection	Closure Style	Gasket
2	304 SS	2" FNPT (standard)	Clamp	Buna
	316 SS	2" RF Flange	Swing Bolt	EPR
		3" FNPT		Silicone
		3" RF Flange		Viton ^{®1}
		2" Sanitary		

¹ Viton[®] is a registered trademark of DuPont Performance Elastomers L.L.C.

L-BH MULTI-BAG LIQUID HOUSINGS

304 SS¹

Model Number	Closure	Connection	Bag Size	Qty	Item Number
L-BH 0202	Swing Bolt	3" ANSI Flange	2	2	AG1252636
L-BH 0203	Swing Bolt	4" ANSI Flange	2	3	AG1252637
L-BH 0204	Swing Bolt	4" ANSI Flange	2	4	AG1252638
L-BH 0205	Swing Bolt	6" ANSI Flange	2	5	AG1252639
L-BH 0206	Swing Bolt	6" ANSI Flange	2	6	AG1252640

316L SS¹

Model Number	Closure	Connection	Bag Size	Qty	Item Number
L-BH 0202	Swing Bolt	3" ANSI Flange	2	2	AG1252644
L-BH 0203	Swing Bolt	4" ANSI Flange	2	3	AG1252645
L-BH 0204	Swing Bolt	4" ANSI Flange	2	4	AG1252646
L-BH 0205	Swing Bolt	6" ANSI Flange	2	5	AG1252647
L-BH 0206	Swing Bolt	6" ANSI Flange	2	6	AG1252648

¹ ASME U-stamped designs are available upon request.

Materials

Head / Shell	304 SS or 316L SS
Eye Nuts and Davit Handle	Zinc plated steel
Mounting Legs	304L SS
Gaskets	EPDM
Baskets	1/8" perforated stainless steel
Finish	Glass bead

Connection Types

Inlet/Outlet	3" RF flanges (0202)
	4" RF flanges (0203, 0204)
	6" RF flanges (0205, 0206)
Drain Port	1/2" FNPT (Clamp)
	3/4" FNPT (Swing bolt)
Gauge Ports	1/4" FNPT (Swing bolt)
Vent Port	1/2" FNPT
Bag Size	#2

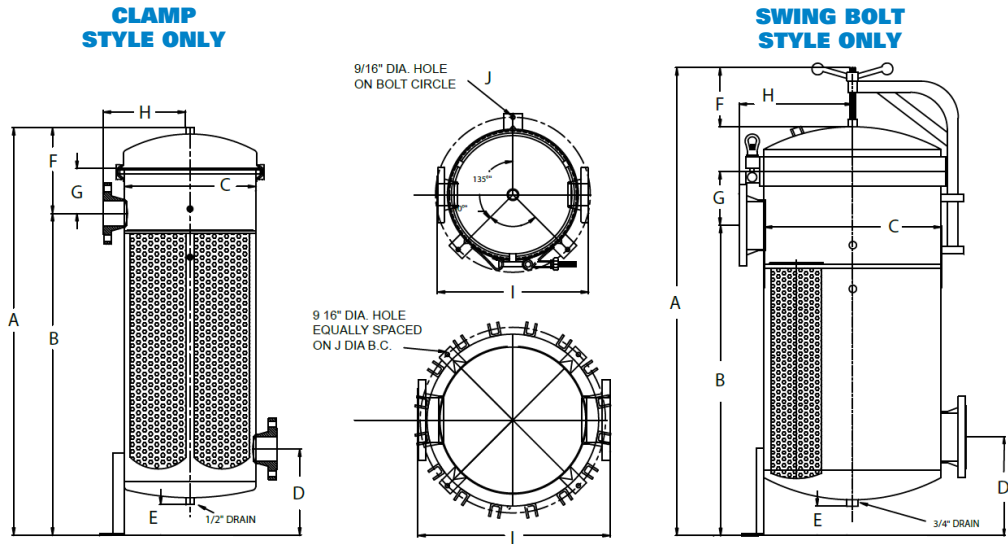
Replacement Gaskets

Housing Model	Part Type	Material	Item Number	Qty per Pkg
L-BH 0202 Swing Bolt	Housing seal	EPDM	AG1253416	1
L-BH 0203 Swing Bolt	Housing seal	EPDM	AG1253417	1
L-BH 0204 Swing Bolt	Housing seal	EPDM	AG1253417	1
L-BH 0205 Swing Bolt	Housing seal	EPDM	AG1253418	1
L-BH 0206 Swing Bolt	Housing seal	EPDM	AG1253418	1



Model	Closure	Flow Rate¹ (gpm)	Bag Qty	Dimensions (inches)									
				A	B	C	D	E	F	G	H	I	J
L-BH 0202	Clamp	350	2	49.6	39.2	16.0	10.5	4.0	11.6	13.6	10.6	20.5	20.9
L-BH 0202	Swing Bolt	350	2	49.6	39.2	16.0	10.5	3.7	10.0	6.9	10.6	20.5	20.9
L-BH 0203	Swing Bolt	525	3	52.9	41.1	20.0	10.8	3.3	10.0	6.3	12.3	22.6	25.0
L-BH 0204	Swing Bolt	700	4	61.3	40.5	20.0	11.3	3.0	10.0	8.0	12.9	26.1	25.0
L-BH 0205	Swing Bolt	840	5	63.5	42.0	24.0	13.4	4.0	10.0	7.0	15.4	30.0	29.0
L-BH 0206	Swing Bolt	1050	6	63.5	42.0	24.0	13.4	4.0	10.0	7.3	15.4	30.0	29.0

¹ Flow rates are for guide lines only. Actual flow rates are based upon fluid viscosity, bag type, micron rating and other factors.



Maximum Operating Pressure

- 150 psig @ 250°F – Clamp closure
- 150 psig @ 300°F – Swing bolt closure

Product Selection

Bag Size	Inlet/Outlet Connection¹	Material	Closure Style	Gasket
2	3" RF Flange	304L SS	Clamp²	EPDM
	4" RF Flange	316L SS	Swing Bolt	Buna
	6" RF Flange			Silicone
				Viton®³
				Teflon®⁴ Encapsulated Silicone

1 Standard flange sizes are 3" for 0202, 4" for 0203 and 0204, 6" for 0205 and 0206.
2 Clamp closure only available for 0202.
3 Viton® is a registered trademark of DuPont Performance Elastomers L.L.C.
4 Teflon® is a registered trademark of E. I. du Pont de Nemours and Company or its affiliates.

P-FG FILTER HOUSINGS & ACCESSORIES

304 SS¹

Model Number	Closure	Capacity ¹ (gpm)	Connection	Dimensions (inches)					Weight w/o Element (lbs)	Element ² (DOE Connection)		Item Number
				Height (A)	Width (± 0.250) (B)	Conn. Height		Clearance		Size	Qty	
						Inlet (C)	Outlet (D)					
P-FG 0050	Clamp	50	2" FNPT	33.1	9.9	9.5	5.5	23	33	20/30	4	1C105202
P-FG 0100	Clamp	100	2" FNPT	43.1	9.9	9.5	5.5	33	41	30/30	4	1C105203
P-FG 0150	Clamp	150	3" FNPT	42.9	12.3	10.6	5.8	33	65	30/30	7	1C105204
P-FG 0250	Clamp	250	3" FNPT	49.6	14.3	15.4	10.0	33	92	30/30	12	1C105205
P-FG 0450	Swing Bolt Only	450	4" ANSI Flange	49.2	21.0	15.3	9.6	33	146	30/30	21	1C105206
P-FG 0700	Swing Bolt Only	700	6" ANSI Flange	68.9	25.8	32.4	14.0	33	336	30/30	32	1C105207
P-FG 1000	Swing Bolt Only	1,000	8" ANSI Flange	70.0	30.0	32.4	15.4	33	581	30/30	48	1C105208

316 SS¹

Model Number	Closure	Capacity ¹ (gpm)	Connection	Dimensions (inches)					Weight w/o Element (lbs)	Element ² (DOE Connection)		Item Number
				Height (A)	Width (± 0.250) (B)	Conn. Height		Clearance		Size	Qty	
						Inlet (C)	Outlet (D)					
P-FG 0050	Clamp	50	2" FNPT	33.1	9.9	9.5	5.5	23	33	20/30	4	1C105212
P-FG 0100	Clamp	100	2" FNPT	43.1	9.9	9.5	5.5	33	41	30/30	4	1C105213
P-FG 0150	Clamp	150	3" FNPT	42.9	12.3	10.6	5.8	33	65	30/30	7	1C105214
P-FG 0250	Clamp	250	3" FNPT	49.6	14.3	15.4	10.0	33	92	30/30	12	1C105215
P-FG 0450	Swing Bolt Only	450	4" ANSI Flange	49.2	21.0	15.3	9.6	33	146	30/30	21	1C105216
P-FG 0700	Swing Bolt Only	700	6" ANSI Flange	68.9	25.8	32.4	14.0	33	336	30/30	32	1C105217
P-FG 1000	Swing Bolt Only	1,000	8" ANSI Flange	70.0	30.0	32.4	15.4	33	581	30/30	48	1C105218

1 P-FG housing capacity is based on the density of water. Actual filtration capacity is dependent on filter element choice, as well as temperature, density, and viscosity of the liquid being filtered.

2 P-FG housings are designed for elements with DOE element connection and are compatible with Code 3 connection. Additional connection styles available on request. Select appropriate element type for your application. See page 6 for an element selection table.

3 ASME U-stamped designs are available upon request.

Materials

Filter Housing	304 & 316 SS (standard) (Housings built to ASME code are available upon request.)
Housing Gasket	EPDM (FDA grade) standard
Pressure Gauge	304 SS, glycerin filled

Surface Finish

Inner	Mill finish stainless steel
Outer	Bead blast

Standard Element Connection Types

DOE (Other connections are available upon request.)

Design Pressure and Temperature

150 psig @ 300°F

Standard Housing Connection Types¹

P-FG 0050-0250 - FNPT

P-FG 0450-1000 - ANSI/ASME Flange, Class 150

¹ Alternate connections are available upon request.

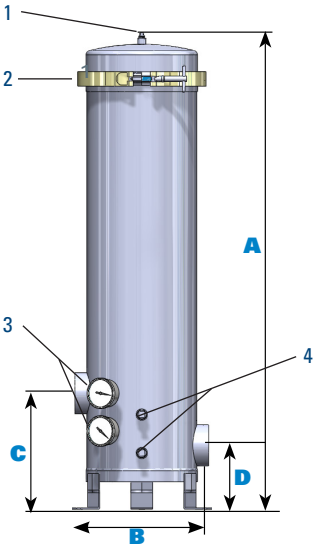
Vent/Drain Connections

P-FG 0050-0250	Vent – 1/4" FNPT
	Drain – 1/2" NPT
P-FG 0450	Vent – 1/2" NPT
	Drain – 1/2" NPT
P-FG 0700 & 1000	Vent – 1/2" FNPT
	Drain – 3/4" NPT

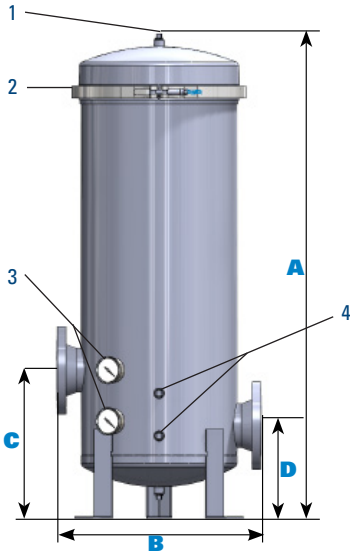
No.	Description
1	Vent Plug
2	Cover Clamp
3	Pressure Gauge
4	Drain Plugs
5	Swing Bolt
6	Davit Assembly



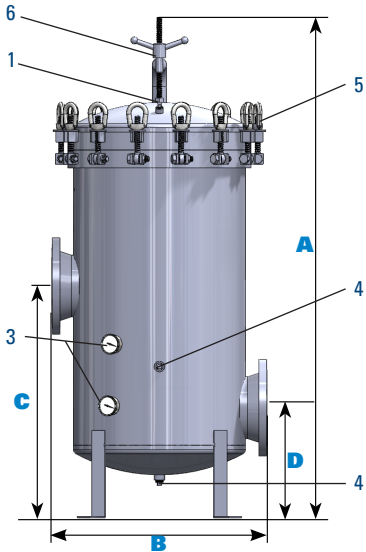
P-FG 0050 - 0250



P-FG 0450



P-FG 0700 & 1000



Product Selection¹

Model	Material	Element Count	Element Length (in.)	Element Connection	Inlet/Outlet Connection Size (in.)	Inlet/Outlet Connection	Closure Style	Gasket Material	Certifications	Inner Finish
P-FG	304 SS	4	10	DOE	1.5	ANSI	Clamp	EPDM	ASME	Bead Blast
	316 SS		20	Code 2	2.0	FNPT	Swing Bolt	Silicone		
		7	30	Code 3	3.0			Buna		
		12	40	Code 7	4.0	Tri-Clamp ²		Viton ³		
		21		Code 8	6.0			Teflon ⁴ over Silicone		
		32			8.0					
		48								

¹ If unable to find part number for desired combination, please contact your Donaldson representative for availability.

² Tri-Clamp[®] is a registered trademark of Ladish Company.

³ Viton[®] is a registered trademark of DuPont Performance Elastomers L.L.C.

⁴ Teflon[®] is a registered trademark of E. I. du Pont de Nemours and Company or its affiliates.

Housing Gaskets

Housing Model	Part Type	Material	Item Number	Qty per Package
P-FG 0050 & 0100	Clamp Housing Gasket	EPDM	1C105042	1
	Clamp Housing Gasket	Silicone	1C105043	1
	Clamp Housing Gasket	Teflon ⁰¹	1C105044	1
	Clamp Housing Gasket	Viton ⁰²	1C105045	1
	Swing Bolt Housing Gasket	EPDM	1C105047	1
	Swing Bolt Housing Gasket	Silicone	1C105048	1
	Swing Bolt Housing Gasket	Teflon [®]	1C105049	1
	Swing Bolt Housing Gasket	Viton [®]	1C105050	1
P-FG 0150	Clamp Housing Gasket	EPDM	1C105078	1
	Clamp Housing Gasket	Silicone	1C105079	1
	Clamp Housing Gasket	Teflon [®]	1C105080	1
	Clamp Housing Gasket	Viton [®]	1C105081	1
	Swing Bolt Housing Gasket	EPDM	1C105083	1
	Swing Bolt Housing Gasket	Silicone	1C105084	1
	Swing Bolt Housing Gasket	Teflon [®]	1C105085	1
	Swing Bolt Housing Gasket	Viton [®]	1C105086	1
P-FG 0250	Clamp Housing Gasket	EPDM	1C105106	1
	Clamp Housing Gasket	Silicone	1C105107	1
	Clamp Housing Gasket	Teflon [®]	1C105108	1
	Clamp Housing Gasket	Viton [®]	1C105109	1
	Swing Bolt Housing Gasket	EPDM	1C105111	1
	Swing Bolt Housing Gasket	Silicone	1C105112	1
	Swing Bolt Housing Gasket	Teflon [®]	1C105113	1
	Swing Bolt Housing Gasket	Viton [®]	1C105114	1
P-FG 0450	Clamp Housing Gasket	EPDM	1C105134	1
	Clamp Housing Gasket	Silicone	1C105135	1
	Clamp Housing Gasket	Teflon [®]	1C105136	1
	Clamp Housing Gasket	Viton [®]	1C105137	1
	Swing Bolt Housing Gasket	EPDM	1C105139	1
	Swing Bolt Housing Gasket	Silicone	1C105140	1
	Swing Bolt Housing Gasket	Teflon [®]	1C105141	1
	Swing Bolt Housing Gasket	Viton [®]	1C105142	1
P-FG 0700	Swing Bolt Housing Gasket	EPDM	1C105161	1
	Swing Bolt Housing Gasket	Silicone	1C105162	1
	Swing Bolt Housing Gasket	Teflon [®]	1C105163	1
	Swing Bolt Housing Gasket	Viton [®]	1C105164	1
P-FG 1000	Swing Bolt Housing Gasket	EPDM	1C105182	1
	Swing Bolt Housing Gasket	Silicone	1C105183	1
	Swing Bolt Housing Gasket	Teflon [®]	1C105184	1
	Swing Bolt Housing Gasket	Viton [®]	1C105185	1

1 Teflon[®] is a registered trademark of E. I. du Pont de Nemours and Company or its affiliates.2 Viton[®] is a registered trademark of DuPont Performance Elastomers L.L.C.

Pressure Gauge

Housing Model	Part Type	Material	Item Number	Qty per Package
P-FG 0050-1000	1/4" NPT Pressure Gauge	304 SS, glycerin filled	P562708-016-587	1

Plugs

Housing Model	Part Type	Material	Item Number	Qty per Package
P-FG 0050-0250	1/4" NPT Vent Plug	304 SS	1C105051	1
	1/2" NPT Drain Plug	304 SS	1C105052	1
P-FG 0450	1/2" NPT Vent / Drain Plug	304 SS	1C105052	1
P-FG 0700-1000	1/2" NPT Vent Plug	304 SS	1C105052	1
	3/4" NPT Drain Plug	304 SS	1C105166	1

Body Clamps

Housing Model	Part Type	Material	Item Number	Qty per Package
P-FG 0050-0100	Body Clamp	304 SS	1C105057	1
P-FG 0150	Body Clamp	304 SS	1C105090	1
P-FG 0250	Body Clamp	304 SS	1C105118	1
P-FG 0450	Body Clamp	304 SS	1C105145	1

Swing Bolts

Housing Model	Part Type	Material	Item Number	Qty per Package
P-FG 0700-1000	Swing Bolt Pin	304 SS	1C105096	1
	Retaining Ring	304 SS	1C105065	1
	Eye Nut for Swing Bolt	304 SS	1C105058	1
	Davit Arm - P-FG 0700	304 SS	1C105168	1
	Davit Arm - P-FG 1000	304 SS	1C105189	1
	Handle for Davit Arm	304 SS	1C105121	1

P-PT FILTER HOUSINGS & ACCESSORIES

NPT Housings – 316L SS

Model Number	Capacity (gpm)	Connection (FNPT)	Dimensions (inches)				Approx. Weight (lbs)	Element		Code 2/7 Housings	DOE Housings
			Code 2, 7, 3, 8		DOE ¹					Item Number	Item Number
			Height (A)	Width (B)	Height (A)	Width (B)		Size	Qty	Item Number	Item Number
P-PT 0007	7	3/4"	17.4	3.5	13.6	3.5	7	10/30	1	1C105524	1C105640
P-PT 0007	7	1"	17.4	3.5	13.6	3.5	7	10/30	1	1C105520	1C105644
P-PT 0014	14	3/4"	27.4	3.5	23.6	3.5	9	20/30	1	1C105556	1C105652
P-PT 0014	14	1"	27.4	3.5	23.6	3.5	9	20/30	1	1C105552	1C105656
P-PT 0021	21	3/4"	37.4	3.5	33.6	3.5	12	30/30	1	1C105588	1C105664
P-PT 0021	21	1"	37.4	3.5	33.6	3.5	12	30/30	1	1C105584	1C105668

Flange Housings – 316L SS

Model Number	Capacity (gpm)	Connection (ANSI)	Dimensions (inches)				Approx. Weight (lbs)	Element		Code 2/7 Housings
			Code 2, 7, 3, 8		DOE¹			Size	Qty	Item Number
			Height (A)	Width (B)	Height (A)	Width (B)				
P-PT 0007	7	1"	17.4	7.9	13.6	7.9	8	10/30	1	1C105532

Tri-Clamp^{®3} Housings – 316L SS

Model Number	Capacity (gpm)	Connection (Tri-Clamp)	Dimensions (inches)				Approx. Weight (lbs)	Element		Code 2/7 Housings	DOE Housings
			Code 2, 7, 3, 8		DOE'						
			Height (A)	Width (B)	Height (A)	Width (B)		Size	Qty	Item Number	Item Number
P-PT 0007	7	1"	17.4	5.7	13.6	5.7	8	10/30	1	1C105528	1C105692
P-PT 0014	14	1"	27.4	5.7	23.6	5.7	10	20/30	1	1C105560	1C105696
P-PT 0021	21	1"	37.4	5.7	33.6	5.7	13	30/30	1	1C105592	1C105700

1 Housings that accept Double Open End (DOE) elements are also available in 304/Brass. Contact your Donaldson representative for alternative material options.

2 Tri-Clamp[®] is a registered trademark of Ladish Company.

Materials'

Filter Head	316L SS
Sealing Nut	Nickle plated brass
Filter Bowl	316L SS
Housing Gasket	EPDM (also available in Viton [®] , Buna and silicone)

Design Pressure and Temperature

NPT	300 psi @ 200°F
Flange, Tri-Clamp [®]	150 psi @ 200°F

Surface Finish

Code 2, 7, 3, 8 Housings	Filter Head - bead blast, cast stainless steel
	Filter Bowl - industrial electropolished
DOE Housings	Filter Head - bead blast, cast stainless steel
	Filter Bowl - polished

Elements

Standard in Code 7/Code 2 connection. Contact your Donaldson representative for Code 3 and Code 8 elements. DOE housing designs are also available upon request.

1 Housings that accept Double Open End (DOE) elements are also available in 304/Brass. Contact your Donaldson representative for alternative material options.
2 Viton[®] is a registered trademark of DuPont Performance Elastomers, L.L.C.
3 Tri-Clamp[®] is a registered trademark of Ladish Company.



Connection Types

Code 2, 7, 3, 8 Housings	3/4" and 1" FNPT, 1" Flange, 1" Tri-Clamp [®]
DOE Housings	3/4" and 1" FNPT, 1" Flange, 1" Tri-Clamp [®]

Drain

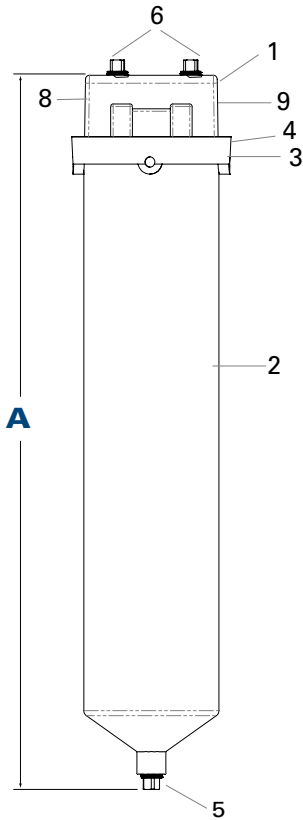
Code 2, 7, 3, 8 Housings	1/4" NPT Drain w/plug
DOE Housings	1/4" NPT Drain w/plug

Inlet and Outlet Gauge Ports

1/4" FNPT Gauge Ports, plugged (not included with flange and tri-clamp housings)

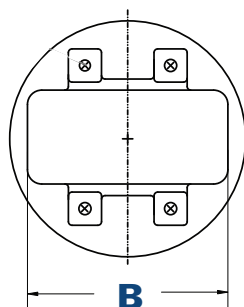
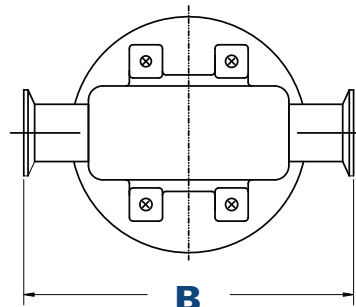
Accessories Included

Nut closure tool and mounting brackets are included with the housing.

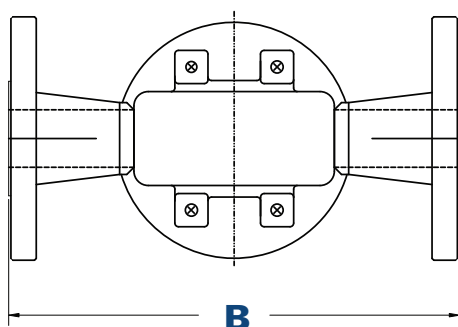


No.	Description
1	Head
2	Bowl
3	Locking ring
4	Housing gasket
5	Drain
6	Gauge port
7	Mounting holes (1/4" - 20 x 3/8" deep)
8	Inlet
9	Outlet

NPT HOUSING

TRI-CLAMP^{®2} HOUSING

FLANGE HOUSING

Product Selection¹

Model	Material	Element Count	Element Length (inches)	Element Connection	Inlet/Outlet Connection Size (inches)	Inlet/Outlet Connection	Closure Style	Gasket Material	Inner Finish
P-PT	316L SS	1	10	DOE	.75	FNPT	NPT	EPDM	Cast stainless steel
			20	Code 2	1.0	Flange			
			30	Code 7		Tri-Clamp ^{®2}			
				Code 8					

Housing Gaskets

Housing Model	Part Type	Material	Item Number	Quantity per Package
Code 7/2 P-PT	Housing Gasket	EPDM	1C105914	1
		Silicone	1C105915	1
		Buna	1C105916	1
		Viton ^{®3}	1C105917	1

¹ If unable to find part number for desired combination, please contact your Donaldson representative for availability.

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³ Viton[®] is a registered trademark of DuPont Performance Elastomers, L.L.C.

PG-IL SANITARY IN-LINE FILTER HOUSINGS & ACCESSORIES

Tri-Clamp[®]

CRN BPE   CE

Model Number	Liquid Capacity ¹ (gpm)	Connection ² (Tri-Clamp [®])	Dimensions (Inches)		Element ³ (Code 7 Connection)		Weight (lbs)	Item Number
			Length A	Width B	Size	Qty		
PG-IL 0005	3	1/2"	11.3	4.7	05/30	1	8.6	1C105890-01
PG-IL 0005	3	1"	11.3	4.7	05/30	1	8.7	1C105890-02
PG-IL 0005	3	1-1/2"	11.3	4.7	05/30	1	8.8	1C105890
PG-IL 0005	3	2"	11.3	4.7	05/30	1	8.9	1C105890-03
PG-IL 0010	6	1"	16.3	4.7	10/30	1	8.9	1C105891-01
PG-IL 0010	6	1-1/2"	16.3	4.7	10/30	1	9.1	1C105891
PG-IL 0010	6	2"	16.3	4.7	10/30	1	9.2	1C105891-02
PG-IL 0020	12	1"	26.3	4.7	20/30	1	11.9	1C105892-01
PG-IL 0020	12	1-1/2"	26.3	4.7	20/30	1	12.0	1C105892
PG-IL 0020	12	2"	26.3	4.7	20/30	1	12.1	1C105892-02
PG-IL 0030	18	1"	36.3	4.7	30/30	1	14.9	1C105893-01
PG-IL 0030	18	1-1/2"	36.3	4.7	30/30	1	15.0	1C105893
PG-IL 0030	18	2"	36.3	4.7	30/30	1	15.1	1C105893-02
PG-IL 0040	24	1"	44.3	4.7	40/30	1	17.2	1C105894-01
PG-IL 0040	24	1-1/2"	44.3	4.7	40/30	1	17.3	1C105894
PG-IL 0040	24	2"	44.3	4.7	40/30	1	17.4	1C105894-02

ANSI Flange

Model Number	Liquid Capacity ¹ (gpm)	Connection (ANSI Flange)	Dimensions (Inches)		Element ³ (Code 7 Connection)		Weight (lbs)	Item Number
			Length A	Width B	Size	Qty		
PG-IL 0005	3	1/2"	11.3	4.7	05/30	1	10.6	1C105890-07
PG-IL 0005	3	1"	11.5	4.7	05/30	1	13.1	1C105890-08
PG-IL 0005	3	2"	11.7	4.7	05/30	1	18.5	1C105890-09
PG-IL 0010	6	1"	16.3	4.7	10/30	1	13.3	1C105891-05
PG-IL 0010	6	2"	16.5	4.7	10/30	1	20.0	1C105891-06
PG-IL 0020	12	1"	26.3	4.7	20/30	1	16.2	1C105892-05
PG-IL 0020	12	2"	26.5	4.7	20/30	1	23.2	1C105892-06
PG-IL 0030	18	1"	36.3	4.7	30/30	1	19.1	1C105893-09
PG-IL 0030	18	2"	36.5	4.7	30/30	1	26.2	1C105893-10
PG-IL 0040	24	1"	44.3	4.7	40/30	1	21.2	1C105894-09
PG-IL 0040	24	2"	44.5	4.7	40/30	1	28.6	1C105894-10

1 PG-IL capacity is based on 100 psig inlet pressure for gas and 68°F for liquid. To determine capacity at a given line pressure, multiply published value by correction factor.

2 Alternate connection sizes may be available upon request.

3 Select appropriate element type for your application (see element pages). PG-IL housings are designed for elements with Code 7 end style.

4 Tri-Clamp[®] is a registered trademark of Ladish Company.

Materials

Filter Housing	316L SS standard; 304 SS optional
Housing Gasket	EPDM (other gaskets available upon request)

Surface Finish

Inner	Electropolished to Ra 15
Outer	Electropolished to Ra 32

No.	Description
1	Bowl
2	Inlet
3	Vent
4	Drain
5	Outlet
6	Head Assembly
7	Housing Clamp
8	Housing Gasket

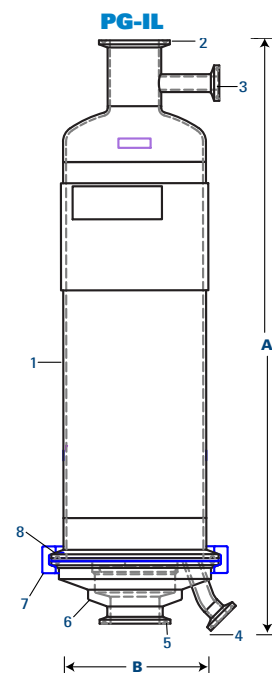
Maximum Operating Pressure & Temperature

150 psig @ 300°F

Connection TypesTri-Clamp[®]**Certifications**

May be used in applications that require MTR, BPE, CRN or 3-A compliance.

- 1 PG-IL capacity is based on 100 psig inlet pressure for gas and 68°F for liquid. To determine capacity at a given line pressure, multiply published value by correction factor.
- 2 Alternate connection sizes may be available upon request.
- 3 Select appropriate element type for your application (see element pages). PG-IL housings are designed for elements with Code 7 end style.
- 4 Tri-Clamp[®] is a registered trademark of Ladish Company.

Liquid Filtration
Housings**Product Selection¹**

Model	Material	Element Count	Element Length (inches)	Element Connection	Inlet/Outlet Connection Size (inches)	Inlet/Outlet Connection	Closure Style	Gasket Material	Certifications	Inner Finish
PG-IL	304 SS	1	10	Code 7	0.5	Tri-Clamp [®]	Tri-Clamp [®]	EPDM	CRN	Electropolish
	316L SS		20		1.0	ANSI Flange		Silicone	3-A	
			30		1.5			PTFE	MTR	
			40		2.0				ASME	
					2.5				BPE	
					3.0				None	

¹ If unable to find part number for desired combination, please contact your Donaldson representative for availability.

² Tri-Clamp[®] is a registered trademark of Ladish Company.

Gaskets

Housing Model	Part Type	Material	Item Number	Qty per Package
PG-IL 0005-0040	Housing Gasket	EPDM	1C355509-AS	1
		Silicone	1C351028	1
		Teflon ^{®1}	1C354206	1
		Viton ^{®2}	1C353028	1

¹ Teflon[®] is a registered trademark of E. I. du Pont de Nemours and Company or its affiliates.

² Viton[®] is a registered trademark of DuPont Performance Elastomers, L.L.C.

PF-EG SANITARY FILTER HOUSINGS & ACCESSORIES

Tri-Clamp[®] Housings – 3-A Certified – 316L SS¹



Model Number	Connection (Tri-Clamp [®]) (C)	Dimensions (inches)				Weight w/o Element (lbs)	Element ² (Code 7 Connection)		Item Number
		Height (A)	Width (±.125) (B)	Conn. Height (D)	Clearance (E)		Size	Qty	
PF-EG 0025	1"	22.2	9.8	4.6	19.9	11.5	10/30	1	1C073136-63
PF-EG 0050	1"	32.2	9.8	4.6	30.0	14.5	20/30	1	1C073137-63
PF-EG 0075	1"	42.2	9.8	4.6	40.0	17.4	30/30	1	1C073138-63
PF-EG 0080 ³	1-1/2"	25.7	13.0	8.0	11.0	70.0	10/30	3	AG1084401
PF-EG 0150 ³	1-1/2"	38.0	14.0	8.0	23.0	78.0	20/30	3	AG1084501
PF-EG 0225 ³	1-1/2"	48.0	14.0	8.0	33.0	85.0	30/30	3	AG1084601
PF-EG 0250 ³	2"	37.0	17.0	5.8	23.0	131.0	20/30	5	AG1084701
PF-EG 0375 ³	2"	47.0	14.5	5.8	33.0	144.0	30/30	5	AG1084801
PF-EG 0400 ³	2-1/2"	43.0	20.0	9.5	23.0	200.0	20/30	8	AG1084901
PF-EG 0600 ³	3"	53.0	20.0	9.5	33.0	225.0	30/30	8	AG1085001
PF-EG 0900 ³	3"	52.4	25.5	9.5	41.0	270.0	30/30	12	AG1225202

1 CRN documentation available where required.

Tri-Clamp[®] Housings – Sanitary Design – 316L SS¹

Model Number	Connection (Tri-Clamp [®]) (C)	Dimensions (inches)				Weight w/o Element (lbs)	Element ² (Code 7 Connection)		Item Number
		Height (A)	Width (±.125) (B)	Conn. Height (D)	Clearance (E)		Size	Qty	
PF-EG 0320	1-1/2"	42.0	15.0	14.0	21.0	43.0	20/30	3	1C072600-C15
PF-EG 0330	1-1/2"	52.0	15.0	14.0	31.0	47.0	30/30	3	1C072601-C15
PF-EG 0340	1-1/2"	62.0	15.0	14.0	41.0	52.0	40/30	3	1C072603-C15
PF-EG 0520	2"	42.0	18.0	12.0	21.0	44.0	20/30	5	1C072604-C20
PF-EG 0530	2"	52.0	18.0	12.0	31.0	49.0	30/30	5	1C072605-C20
PF-EG 0540	2"	62.0	18.0	12.0	41.0	53.0	40/30	5	1C072606-C20
PF-EG 0820	2"	43.0	19.0	12.0	21.0	66.0	20/30	8	1C072607-C20
PF-EG 0830	2"	53.0	19.0	12.0	31.0	73.0	30/30	8	1C072608-C20
PF-EG 0840	2"	63.0	19.0	12.0	41.0	79.0	40/30	8	1C072609-C20
PF-EG 1230	2-1/2"	56.0	23.0	13.0	31.0	146.0	30/30	12	1C072610-C25
PF-EG 1240	2-1/2"	66.0	23.0	13.0	41.0	154.0	40/30	12	1C072611-C25
PF-EG 1830	2-1/2"	57.0	25.0	13.0	31.0	150.0	30/30	18	1C072612-C25
PF-EG 1840	2-1/2"	67.0	25.0	13.0	41.0	163.0	40/30	18	1C072613-C25
PF-EG 2430	2-1/2"	58.0	25.0	13.0	31.0	231.0	30/30	24	1C072614-C25
PF-EG 2440	2-1/2"	68.0	25.0	13.0	41.0	251.0	40/30	24	1C072615-C25
PF-EG 3030	3"	59.0	30.0	11.0	31.0	240.0	30/30	30	1C072616-C30
PF-EG 3040	3"	69.0	30.0	11.0	41.0	258.0	40/30	30	1C072617-C30



1 PF-EG capacity based on liquids of 1cP viscosity.

2 PF-EG housings are designed for elements with Code 7 end style. Select appropriate element type for your application See page 15 for an element selection table.

3 PF-EG 0080-900 are ASME U Stamp stamped.

4 Tri-Clamp[®] is a registered trademark of Ladish Company.

Materials

Filter Housing	316L SS
Attachment Parts	304 SS
Housing Gasket	PF-EG 0025 to PF-EG 0075: EPDM PF-EG 0080 and larger: Silicone class VI (Other gasket materials available on page 17.)
Pharma Valve	PF-EG 0025 - 0075: Pharma valve drains on both inlet and outlet tubes and a pharma plug at top of housing for vent, gauge or other attachment

Surface Finish – Inner and Outer

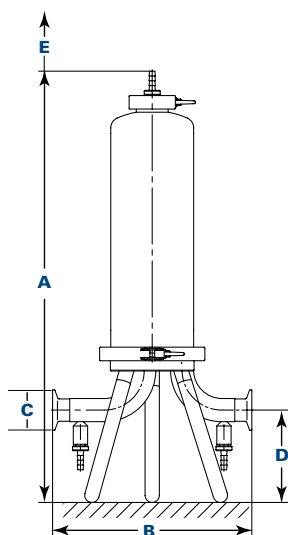
PF-EG 0025-0075	Inner – Electropolished to Ra 32
	Outer – Electropolished to Ra 30
PF-EG 0080-0900	Inner – Nitric passivated to Ra 32
	Outer – Nitric passivated to Ra 30

Vent/Drain Connections

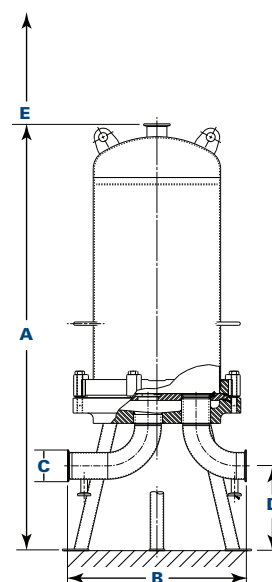
PF-EG 0012-0075	Vent – 1-1/2" Tri-Clamp [®] with a 1-1/4" BSP Pharma Valve
	Drain – 1/4" BSP Pharma Valve
PF-EG 0080-0900	Vent – 1-1/2" Tri-Clamp [®]
	Drain – 1/2" Tri-Clamp [®]

Design Pressure and Temperature

150 psig @ 356°F

Maximum Inlet Temperature300°F with standard EPDM gasket.
(Higher temperature gaskets are available upon request.)**Connection Types¹**All Models: Tri-Clamp[®] (Welded end connections available upon request.)¹ Larger housings available upon request.**MODELS 0025 TO 0075**

No.	Description
1	Vent Pharma Valve
2	Vent Tri-Clamp [®]
3	Vent Clamp Gasket
4	Filter Body
5	Body Tri-Clamp [®]
6	Body Clamp Gasket
7	Pharma Valve
8	Legs

MODELS 0080 TO 0600

No.	Description
1	Lifting Lugs
2	Upper Housing Bowl
3	Body Gasket
4	Drain
5	Legs

Product Selection¹

Model	Material	Element Count	Element Length (inches)	Element Connection	Inlet/Outlet Connection Size (inches)	Inlet/Outlet Connection	Gasket Material	Certifications	Inner Finish
PF-EG	316L SS	1	10	Code 7	1.0	Tri-Clamp [®]	EPDM	3-A	Electropolish
		3	20		1.5		Silicone	ASME	Mechanical Polish
		5	30		2.0			3-A & ASME	Nitric Passivated
		8	40		2.5			MTR	
		12			3.0			None	
		18			4.0				
		24							
		30							

¹ If unable to find part number for desired combination, please contact your Donaldson representative for availability.² Tri-Clamp[®] is a registered trademark of Ladish Company.

Gaskets – Housings built after 2004²

Housing Model	Part Type	Material	Item Number	Qty per Package ¹
PF-EG 0003-0012	Housing Gasket	EPDM	1C355508-AS	1
	Housing Gasket	Silicone	1C351001-AS	1
	Vent Gasket	EPDM	1C355515-AS	1
	Gasket Kit (Vent + Housing Gasket)	EPDM	1C355518-AS	2
PF-EG 0025-0075	Housing Gasket	EPDM	1C355509-AS	1
	Housing Gasket	Silicone	1C351028-AS	1
	Vent Gasket	EPDM	1C355510-AS	1
	Gasket Kit (Vent + Housing Gasket)	EPDM	1C355519-AS	2
PF-EG 0080-0225	Housing Gasket	Silicone	AG1247084	1
PF-EG 0250-0375	Housing Gasket	Silicone	AG1247085	1
PF-EG 0320-0340	Gasket Kit (Vent /Drain+ Housing Gasket)	Silicone	1C072600-AS	1
PF-EG 0520-0540	Gasket Kit (Vent /Drain+ Housing Gasket)	Silicone	1C072604-AS	1
PF-EG 0820-0840	Gasket Kit (Vent /Drain+ Housing Gasket)	Silicone	1C072607-AS	1
PF-EG 0400-0900	Housing Gasket	Silicone	AG1247086	1
PF-EG 1230-1240	Gasket Kit (Vent /Drain+ Housing Gasket)	Silicone	1C072610-AS	1
PF-EG 1830-1840	Gasket Kit (Vent /Drain+ Housing Gasket)	Silicone	1C072612-AS	1
PF-EG 2430-2440	Gasket Kit (Vent /Drain+ Housing Gasket)	Silicone	1C072614-AS	1
PF-EG 3030-3040	Gasket Kit (Vent /Drain+ Housing Gasket)	Silicone	1C072616-AS	1

¹ Gasket Kit includes all replaceable gaskets in the required quantity

Pharma Valves and Plugs

Housing Model	Part Type	Material	Item Number	Qty per Package
PF-EG 0003	1/8" BSP Straight Pharma Valve with O-Ring	316 SS Valve & EPDM O-Ring	1C310601-AS	1
	1/8" BSP Straight Pharma Plug with O-Ring	316 SS Plug & EPDM O-Ring	1C310901-AS	1
PF-EG 0012-0075	1/4" BSP Straight Pharma Valve with O-Ring	316 SS Valve & EPDM O-Ring	1C310605-AS	1
	1/4" BSP Straight Pharma Plug with O-Ring	316 SS Plug & EPDM O-Ring	1C310905-AS	1

Clamps

Housing Model	Part Type	Material	Item Number	Qty per Package
PF-EG 0003-0008	Body Clamp	316 SS	1C312001-AS	1
	Housing Vent Clamp	316 SS	1C311910	1
	Housing Inlet/Outlet Clamp	316 SS	1C311910	1
PF-EG 0012-0075	Body Clamp	316 SS	1C312006-AS	1
	Housing Vent Clamp	316 SS	1C311916-AS	1
	Housing Inlet/Outlet Clamp	316 SS	1C311916-AS	1

¹ Use with PF-EG housings that were built before September 2004 – item numbers that begin with 1C0760 and 1C07620 and old-style PF-EG housing item numbers that begin with 1C0732.

² Use with and PF-EG housings built after September 2004. Gasket kit includes housing and vent gaskets. Consult your Donaldson representative for alternate O-Ring materials.

MODULAR SKIDS & ACCESSORIES



Model	PF-MS 0130	PF-MS 0330	PF-MS 0530	PF-MS 0830	PF-MS 1230
Stages of filtration	1-4				
Number of filter elements per housing	1	3	5	8	12
Size of filter element (inches)	30 standard (10, 20 and 40 upon request)				
Inlet/outlet size, tri-clamp ASME-BPE	DN40 (1.5 in)	DN40 (1.5 in)	DN50 (2.0 in)	DN50 (2.0 in)	DN65 (2.5 in)
Design temperature	Minimum -10°C (14°F) - Maximum 150°C (302°F)				
Vessel volume (L)	6.6	17.8	39	49.8	77
Performance with water (hl/h)	Up to 240				
Filter element range (µm)	LifeTec™ filter elements graded sterile, absolute and nominal 0.2, 0.45, 0.6, 0.8, 1, 2.4, 5, 10				

Model	L-BH-MS-Size 1	L-BH-MS-Size 1
Number of bags / bag size (inc)	1 bag / 7 x 16.5	1 bag / 7 x 32
Bag filtration surface (m2)	0.25	0.5
Bag filters material and pore range (µm)	Polypropylene 1-100, Polyester 1-200, Nylon 25-1200	
Performance with water (hl/h)	9-35	
Inlet/outlet size, tri-clamp ASME-BPE	DN40 (1.5 in)	DN50 (2.0 in)
Vessel volume (L)	23	38

Part Number	Item Description
1C072701-C15	Modular Skid, PF-MS, 0130, 1.5 Inch, Tri-Clamp
1C072703-C15	Modular Skid, PF-MS, 0330, 1.5 Inch, Tri-Clamp
1C072705-C15	Modular Skid, PF-MS, 0530, 1.5 Inch, Tri-Clamp
1C072705-C20	Modular Skid, PF-MS, 0530, 2.0 Inch, Tri-Clamp
1C072708-C20	Modular Skid, PF-MS, 0830, 2.0 Inch, Tri-Clamp
1C072712-C20	Modular Skid, PF-MS, 1230, 2.0 Inch, Tri-Clamp
1C072712-C25	Modular Skid, PF-MS, 1230, 2.5 Inch, Tri-Clamp
1C072713-C20	Modular Skid, PF-MS, 1240, 2.0 Inch, Tri-Clamp
1C072713-C25	Modular Skid, PF-MS, 1240, 2.5 Inch, Tri-Clamp
AG1405801	Modular Skid, PF-MS, 1830, 3.0 Inch, Tri-Clamp
AG1405901	Modular Skid, PF-MS, 2430, 4.0 Inch, Tri-Clamp
AG1406001	Modular Skid, PF-MS, 3030, 4.0 Inch, Tri-Clamp
1C075701-C15	Modular Skid, L-BH-MS, Size 1, 1.5 Inch, Tri-Clamp
1C075701-C20	Modular Skid, L-BH-MS, Size 1, 2.0 Inch, Tri-Clamp
1C075702-C15	Modular Skid, L-BH-MS, Size 2, 1.5 Inch, Tri-Clamp
1C075702-C20	Modular Skid, L-BH-MS, Size 2, 2.0 Inch, Tri-Clamp

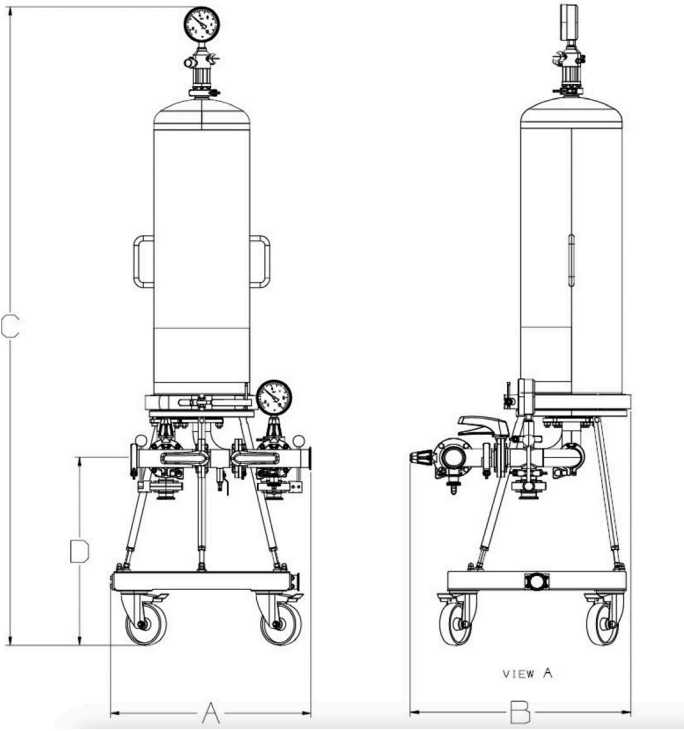
General Information	
Maximum operating pressure	150 psi at temperature - 10°C (14°F) - Maximum 150°C (302°F)
Components	- Sanitary stainless steel butterfly valves from INOXPA - Sanitary pressure gauges from ASCHROFT - Optional sanitary centrifugal pump
Internal surface finish (Ra)	< 0.8 µm
Materials	- Housings and all product contact surfaces available in stainless steel EN 1.4404 (AISI 316L) or EN 1.4301 (AISI 304) - Seals made of silicone and PTFE
Standard configuration	Filter housing, 2 drains, 4 valves, 2 pressure gauges, set of heavy-duty wheels
Options	Variable number of filter stages, booster pump for perfect economical use of the membranes, integrity testing and leveling feet - AG1405201



Model	Dim A	Dim B	Dim C	Dim D
PF-MS 0130	17 in	21 in	69 in	22 in
PF-MS 0330	18 in	21 in	70 in	22 in
PF-MS 0530	21 in	23 in	71 in	22 in
PF-MS 0830	22 in	23 in	71 in	21 in
PF-MS 1230	28 in	23 in	71 in	21 in
L-BH-MS Size 1	22 in	21 in	62 in	22 in
L-BH-MS Size 1	22 in	21 in	75 in	22 in

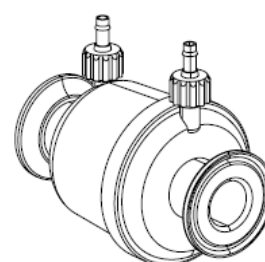
Optional Strainer Inserts

Part Number	Item Description
AG1392101	Strainer Insert, Size 2, 50 MIC, 316SS, Backflushable
AG1392201	Strainer Insert, Size 2, 100 MIC, 316SS, Backflushable
AG1392301	Strainer Insert, Size 2, 150 MIC, 316SS, Backflushable
AG1392401	Strainer Insert, Size 2, 250 MIC, 316SS, Backflushable
AG1392501	Strainer Insert, Size 2, 400 MIC, 316SS, Backflushable
AG1392601	Strainer Insert, Size 2, 600 MIC, 316SS, Backflushable
AG1392701	Strainer Insert, Size 2, 800 MIC, 316SS, Backflushable
AG1392801	Strainer Insert, Size 2, 1000 MIC, 316SS, Backflushable
AG1392901	Strainer Insert, Size 2, 1500 MIC, 316SS, Backflushable
AG1393001	Strainer Insert, Size 2, 2000 MIC, 316SS, Backflushable
AG1393201	Strainer Insert, Size 1, 50 MIC, 316SS, Backflushable
AG1393301	Strainer Insert, Size 1, 100 MIC, 316SS, Backflushable
AG1393401	Strainer Insert, Size 1, 150 MIC, 316SS, Backflushable
AG1393501	Strainer Insert, Size 1, 250 MIC, 316SS, Backflushable
AG1393601	Strainer Insert, Size 1, 400 MIC, 316SS, Backflushable
AG1393701	Strainer Insert, Size 1, 600 MIC, 316SS, Backflushable
AG1393801	Strainer Insert, Size 1, 800 MIC, 316SS, Backflushable
AG1393901	Strainer Insert, Size 1, 1000 MIC, 316SS, Backflushable
AG1394001	Strainer Insert, Size 1, 1500 MIC, 316SS, Backflushable
AG1394101	Strainer Insert, Size 1, 2000 MIC, 316SS, Backflushable

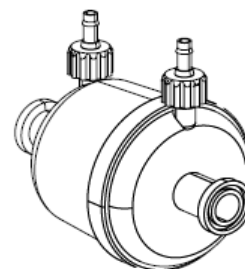


SINGLE USE CAPSULE FILTERS

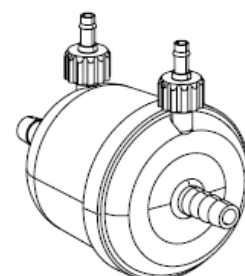
		Actual Length	Connection	Part Number
2 Inch PES Single-Use Capsule Filter	0.1 Micron	124 mm (4.86 in)	1 1/2" Tri-Clamp	AG1339501
		122 mm (4.80 in)	3/4" Tri-Clamp	AG1339801
		129 mm (5.06 in)	1/2" Stepped Hose Barb	AG1340101
		130 mm (5.13 in)	1/4" Stepped Hose Barb	AG1340401
	0.2 Micron	124 mm (4.86 in)	1 1/2" Tri-Clamp	AG1339601
		122 mm (4.80 in)	3/4" Tri-Clamp	AG1339901
		129 mm (5.06 in)	1/2" Stepped Hose Barb	AG1340201
		130 mm (5.13 in)	1/4" Stepped Hose Barb	AG1340501
	0.45 Micron	124 mm (4.86 in)	1 1/2" Tri-Clamp	AG1339701
		122 mm (4.80 in)	3/4" Tri-Clamp	AG1340001
		129 mm (5.06 in)	1/2" Stepped Hose Barb	AG1340301
		130 mm (5.13 in)	1/4" Stepped Hose Barb	AG1340601
5 Inch PES Single-Use Capsule Filter	0.1 Micron	159 mm (6.24 in)	1 1/2" Tri-Clamp	AG1340701
		157 mm (6.18 in)	3/4" Tri-Clamp	AG1341001
		164 mm (6.44 in)	1/2" Stepped Hose Barb	AG1341301
		162 mm (6.36 in)	1/4" Stepped Hose Barb	AG1341601
	0.2 Micron	159 mm (6.24 in)	1 1/2" Tri-Clamp	AG1340801
		157 mm (6.18 in)	3/4" Tri-Clamp	AG1341101
		164 mm (6.44 in)	1/2" Stepped Hose Barb	AG1341401
		162 mm (6.36 in)	1/4" Stepped Hose Barb	AG1341701
	0.45 Micron	159 mm (6.24 in)	1 1/2" Tri-Clamp	AG1340901
		157 mm (6.18 in)	3/4" Tri-Clamp	AG1341201
		164 mm (6.44 in)	1/2" Stepped Hose Barb	AG1341501
		162 mm (6.36 in)	1/4" Stepped Hose Barb	AG1341801



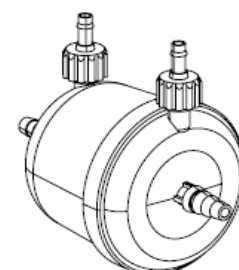
1.5" Tri-Clamp Connection



3/4" Tri-Clamp Connection



1/2" Stepped Hose Barb Connection



1/4" Stepped Hose Barb Connection

MATERIALS	
Membrane	PES
Support Layer	Polyester
Molded Components	Polypropylene
O-Rings	Silicone
Sealing Method	Thermal Bonding



L-BE LIQUID FILTER BAGS



Polypropylene

Media	Bag Size	Seal	Ring Type	Micron Rating	Efficiency	Case Quantity	Item Number
Polypropylene	2	Welded	304 SS	1	Nominal	40	AG1252596
Polypropylene	2	Welded	304 SS	5	Nominal	40	AG1252597
Polypropylene	2	Welded	304 SS	10	Nominal	40	AG1252598
Polypropylene	2	Welded	304 SS	25	Nominal	40	AG1252599
Polypropylene	2	Welded	304 SS	50	Nominal	40	AG1252600
Polypropylene	2	Welded	Polypropylene	1	Nominal	40	AG1252601
Polypropylene	2	Welded	Polypropylene	5	Nominal	40	AG1252602
Polypropylene	2	Welded	Polypropylene	10	Nominal	40	AG1252603
Polypropylene	2	Welded	Polypropylene	25	Nominal	40	AG1252604
Polypropylene	2	Welded	Polypropylene	50	Nominal	40	AG1252605

Polyester

Media	Bag Size	Seal	Ring Type	Micron Rating	Efficiency	Case Quantity	Item Number
Polyester	2	Weld and Sewn	304 SS	1	Nominal	40	AG1252606
Polyester	2	Weld and Sewn	304 SS	5	Nominal	40	AG1252607
Polyester	2	Weld and Sewn	304 SS	10	Nominal	40	AG1252608
Polyester	2	Weld and Sewn	304 SS	25	Nominal	40	AG1252609
Polyester	2	Weld and Sewn	304 SS	50	Nominal	40	AG1252610
Polyester	2	Weld and Sewn	304 SS	100	Nominal	40	AG1252611
Polyester	2	Weld and Sewn	304 SS	200	Nominal	40	AG1252612
Polyester	2	Weld and Sewn	Polypropylene	1	Nominal	40	AG1252613
Polyester	2	Weld and Sewn	Polypropylene	5	Nominal	40	AG1252614
Polyester	2	Weld and Sewn	Polypropylene	10	Nominal	40	AG1252615
Polyester	2	Weld and Sewn	Polypropylene	25	Nominal	40	AG1252616
Polyester	2	Weld and Sewn	Polypropylene	50	Nominal	40	AG1252617
Polyester	2	Weld and Sewn	Polypropylene	100	Nominal	40	AG1252618
Polyester	2	Weld and Sewn	Polypropylene	200	Nominal	40	AG1252619

Materials

Filter Media	Needle Felt Polypropylene; Needle Felt Polyester
Ring	Polypropylene 304 SS
Sealing	Welded, Welded and Sewn

Retention Ratings

Polypropylene	1, 5, 10, 25, 50, 100, 200 µm (Nominal)
Polyester	1, 5, 10, 25, 50, 100, 200 µm (Nominal)

FDA Listed Materials

Manufactured from materials which are FDA listed for food contact applications in Title 21 of the U.S. Code of Federal Regulations

Filter Bag Dimensions and Typical Liquid Flow Rates for Sizing Recommendation

Size	Diameter Inch (mm)	Length Inch (mm)	Filtration Surface Area ft² (m²)	Flow Rate GPM (M³/hr)
Size 2 Filter Bag	7 (177.8)	32 (812.8)	5.0 (0.46)	180 (40)

Filter Media Properties (Chemical-Temperature)

Media	Max. Temp. °F(°C)	Strong Acid Resistance	Weak Acid Resistance	Strong Alkali Resistance	Weak Alkali Resistance	Solvent
Polypropylene	200-220° F (93-104°C)	Excellent	Excellent	Good	Good	Fair
Polyester	275-325° F (135-162°C)	Good	Good	Excellent	Excellent	Good

This guide contains general recommendations. Soak tests or trial use should be conducted to on the specific fluid to confirm compatibility.

Product Selection

Bag Size	Media	Retention Rating (Nominal)	Ring Material	Sealing Method
2	Polypropylene	1, 5, 10, 25, 50, 100, 200 µm	Polypropylene	Welding Type
	Polyester		304 SS	Welding with Sewn Type

PP100-HF ABSOLUTE POLYPROPYLENE HIGH FLOW FILTER ELEMENTS

Polypropylene

Lengths	Micron Size	Part Number
40"	1	AG1254001
	2	AG1254002
	5	AG1254003
	10	AG1254004
	20	AG1254005
	40	AG1254006
60"	1	AG1254101
	2	AG1254102
	5	AG1254103
	10	AG1254104
	20	AG1254105
	40	AG1254106

Liquid Filtration
Elements



Materials

Filter Media	Polypropylene
Support	Polypropylene
Outer Cage	Polypropylene
Core	Polypropylene
End Caps	Polypropylene
Sealing Method	Thermal Bonding
O-Rings	Standard: EPDM Optional: Viton**, Silicone Size: 435

* Viton is a registered trademark of DuPont PerformanceElastomers L.L.C

* All trademarks belong to their respective owners.

Dimensions

Lengths	1030 +/- 2 mm and 1541 +/- 2.5 mm (40" and 60")
Outside Diameter	152.4 mm (6")

Differential Pressure

Recommended change-out differential pressure: 2.4 bar (35 psi)
Maximum differential pressure: 2 bar (29 psi) @ 82° C (180° F) 3.4 bar (49 psi) @ 20° C (68° F)

Pore Size	Beta 5000 (99.98%)
1 micron	1.0
2 micron	2.0
5 micron	5.0
10 micron	10.0
20 micron	20.0
40 micron	40.0

Available Micron Ratings

1, 2, 5, 10, 20, 40 microns

Maximum Temperature

82° C (180° F)

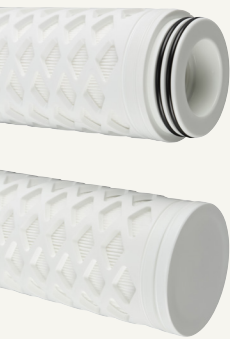
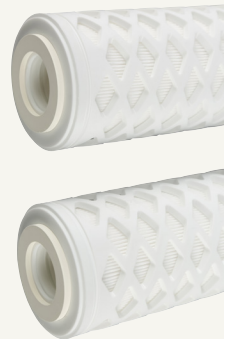
Drop-in Replacements

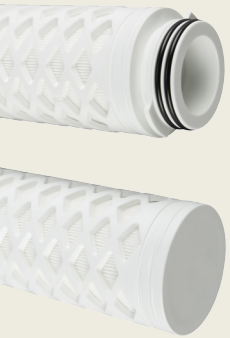
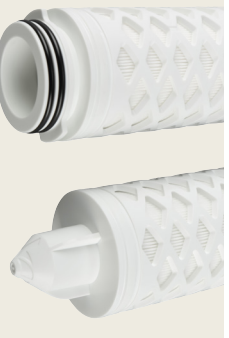
Manufacturer	Model
Pall	Ultipleat® HFU

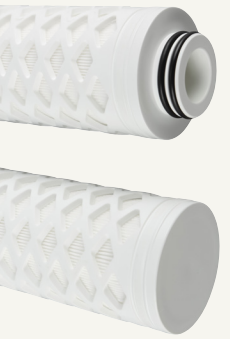
* All trademarks belong to their respective owners.

END CAP CONFIGURATIONS

Donaldson offers a variety of end adapter styles to fit not only our housings, but competitive units as well.

	UF CONNECTION • 2 x 226 O-Rings • 2" plug connection • Flat end cap • Integrated reinforcement ring	DOE • Double open end • EPDM gasket	
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	CODE 2 • 2 x 226 O-Rings • 2 bayonet locking tabs • Flat end cap • Integrated reinforcement ring	CODE 7 • 2 x 226 O-Rings • 2 bayonet locking tabs • Locating fin • Integrated reinforcement ring	
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	CODE 3 • 2 x 222 O-Rings • Plug connection • Flat end cap • Integrated reinforcement ring	CODE 8 • 2 x 222 O-Rings • Plug connection • Locating fin • Integrated reinforcement ring	
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	PLAIN END • Double open end • No gasket	CODE 9 • 2 x 222 O-Rings • 3 bayonet locking tabs • Locating fin • Integrated reinforcement ring	
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PP-FC NOMINAL DEPTH FILTER ELEMENTS

DOE, Code 7, and Plain End with Spring Connection

Length (inches)	Micron	DOE Item Number	Code 7 Item Number	Plain End with Spring Connection	Case Qty
10	1	1C105335	1C105303	1C105360	12
10	3	1C105332	1C105300	1C105361	12
10	5	1C105330	1C105298	1C105362	12
10	10	1C105334	1C105302	1C105363	12
10	20	1C105333	1C105301	1C105364	12
10	30	1C105331	1C105299	1C105365	12
10	50	1C105329	1C105297	1C105366	12
10	75	1C105328	1C105296	1C105367	12
20	1	1C105327	1C105295	1C105352	12
20	3	1C105324	1C105292	1C105353	12
20	5	1C105322	1C105290	1C105354	12
20	10	1C105326	1C105294	1C105355	12
20	20	1C105325	1C105293	1C105356	12
20	30	1C105323	1C105291	1C105357	12
20	50	1C105321	1C105289	1C105358	12
20	75	1C105320	1C105288	1C105359	12
30	1	1C105319	1C105287	1C105344	12
30	3	1C105316	1C105284	1C105345	12
30	5	1C105314	1C105282	1C105346	12
30	10	1C105318	1C105286	1C105347	12
30	20	1C105317	1C105285	1C105348	12
30	30	1C105315	1C105283	1C105349	12
30	50	1C105313	1C105281	1C105350	12
30	75	1C105312	1C105280	1C105351	12
40	1	1C105311	1C105279	1C105336	12
40	3	1C105308	1C105276	1C105337	12
40	5	1C105306	1C105274	1C105338	12
40	10	1C105310	1C105278	1C105339	12
40	20	1C105309	1C105277	1C105340	12
40	30	1C105307	1C105275	1C105341	12
40	50	1C105305	1C105273	1C105342	12
40	75	1C105304	1C105272	1C105343	12

Code 8

Length (inches)	Micron	Item Number	Case Qty ¹
20	1	AG1253638	12
20	3	AG1253639	12
20	5	AG1253640	12
20	10	AG1253641	12
20	20	AG1253642	12
20	30	AG1253643	12
20	50	AG1253644	12
20	75	AG1253645	12
30	1	AG1253646	12
30	3	1C105375	12
30	5	1C105376	12
30	10	1C105377	12
30	20	AG1253647	12
30	30	AG1253648	12
30	50	1C105378	12
30	75	AG1253649	12
40	1	1C105379	12
40	3	1C105370	12
40	5	1C105371	12
40	10	1C105372	12
40	20	AG1253650	12
40	30	AG1253651	12
40	50	AG1253652	12
40	75	AG1253653	12

Plain End Connection – Double Open End, No Gasket

Length (inches)	Micron	Item Number	Case Qty ¹
10	1	1C105271	15
10	3	1C105268	15
10	5	1C105266	15
10	10	1C105270	15
10	20	1C105269	15
10	30	1C105267	15
10	50	1C105265	15
10	75	1C105264	15
20	1	1C105263	15
20	3	1C105260	15
20	5	1C105258	15
20	10	1C105262	15
20	20	1C105261	15
20	30	1C105259	15
20	50	1C105257	15
20	75	1C105256	15
30	1	1C105255	15
30	3	1C105252	15
30	5	1C105250	15
30	10	1C105254	15
30	20	1C105253	15
30	30	1C105251	15
30	50	1C105249	15
30	75	1C105248	15

¹ Minimum/multiple order quantity – one case.

Plain End Connection – Double Open End, No Gasket - (Cont.)

Length (inches)	Micron	Item Number	Case Qty ¹
40	1	1C105247	15
40	3	1C105244	15
40	5	1C105242	15
40	10	1C105246	15
40	20	1C105245	15
40	30	1C105243	15
40	50	1C105241	15
40	75	1C105240	15

¹ Minimum/multiple order quantity – one case.

Materials

Gasket/O-Ring (if applicable)	EPDM (Alternate materials available upon request.)
Media	Polypropylene
End Cap (if applicable)	Polypropylene
Spring (if applicable)	Polypropylene

Maximum Operating Temperature

140°F

Product Selection¹

Model	Length (inches)	Micron	Connection	Gasket
PP-FC	10	0.5	Code 2	EPDM
	20	1	Code 3	Viton ^{®2}
	30	3	Plain End	Teflon ^{®3}
	40	5	DOE	Silicone
		10	Code 8	
		30	Code 7	
		50	Spring	
		75		

¹ If unable to find part number for desired combination, please contact your Donaldson representative for availability.

² Viton[®] is a registered trademark of E. I. du Pont de Nemours and Company or its affiliates.

³ Teflon[®] is a registered trademark of DuPont Performance Elastomers L.L.C.

⁴ All trademarks belong to their respective owners.



The PP-FC Series is Tested and Certified by NSF International against NSF/ANSI Standard 42 for material requirements only.

COMPONENT

**Drop-in Replacements**

Manufacturer	Model
Parker Domnick Hunter	Peplyn
Parker Domnick Hunter	Avasan
Parker Domnick Hunter	Prospun
Parker Domnick Hunter	Fulflo
Pall	Nexis
Pall	Claris
Pall	Profile II
Pall	CMPure
Pall	CMPD
3M Cuno	Betapure
3M Cuno	Micro-Klean
GE	Hytrex
GE	ROSave.Z
GE	ZCore
Meissner	Deltadepth
Global Filter	GWTB
Global Filter	GCTB
Global Filter	GATB
Global Filter	PEE

¹ All trademarks belong to their respective owners

PP-FC 100 ABSOLUTE DEPTH FILTER ELEMENTS

DOE with Flat Gasket and Code 7 End Connections

Length (inches)	Micron	DOE w/Flat Gasket Item Number	Code 7 Item Number	Plain End with Spring Connection	Case Qty ¹
10	1	1C105128	1C105492	1C105191	12
10	3	1C105129	1C105493	1C105194	12
10	5	1C105130	1C105494	1C105195	12
10	10	1C105131	1C105495	1C105196	12
10	20	1C105132	1C105496	1C105198	12
10	30	1C105143	1C105497	1C105199	12
10	50	1C105144	1C105498	1C105200	12
10	75	1C105147	1C105499	1C105201	12
20	1	1C105148	1C105453	1C105412	12
20	3	1C105153	1C105454	1C105413	12
20	5	1C105154	1C105455	1C105414	12
20	10	1C105155	1C105456	1C105415	12
20	20	1C105156	1C105457	1C105416	12
20	30	1C105157	1C105458	1C105417	12
20	50	1C105158	1C105459	1C105418	12
20	75	1C105159	1C105460	1C105419	12
30	1	1C105165	1C105461	1C105401	12
30	3	1C105167	1C105462	1C105402	12
30	5	1C105169	1C105463	1C105403	12
30	10	1C105170	1C105464	1C105404	12
30	20	1C105173	1C105465	1C105405	12
30	30	1C105174	1C105466	1C105406	12
30	50	1C105175	1C105467	1C105407	12
30	75	1C105176	1C105468	1C105408	12
40	1	1C105177	1C105102	1C105385	12
40	3	1C105178	1C105103	1C105386	12
40	5	1C105179	1C105104	1C105127	12
40	10	1C105180	1C105115	1C105388	12
40	20	1C105186	1C105116	1C105389	12
40	30	1C105187	1C105120	1C105390	12
40	50	1C105188	1C105126	1C105391	12
40	75	1C105190	1C105127	1C105392	12

¹ Minimum/multiple order quantity – one case.

Code 8

Length (inches)	Micron	Item Number	Case Qty ¹
20	1	AG1253654	12
20	3	AG1253655	12
20	5	AG1253656	12
20	10	AG1253657	12
20	20	AG1253658	12
20	30	AG1253659	12
20	50	AG1253660	12
20	75	AG1253661	12
30	1	AG1253662	12
30	3	AG1253663	12
30	5	AG1253664	12
30	10	AG1253665	12
30	20	AG1253666	12
30	30	AG1253667	12
30	50	AG1253668	12
30	75	AG1253669	12
40	1	1C105878	12
40	3	1C105879	12
40	5	1C105880	12
40	10	1C105881	12
40	20	1C105882	12
40	30	1C105883	12
40	50	1C105884	12
40	75	1C105885	12

¹ Minimum/multiple order quantity – one case.

Plain End Connection – Double Open End, No Gasket

Length (inches)	Micron	Item Number	Case Qty ¹
10	1	1C105421	15
10	3	1C105422	15
10	5	1C105423	15
10	10	1C105424	15
10	20	1C105425	15
10	30	1C105426	15
10	50	1C105427	15
10	75	1C105428	15
20	1	1C105429	15
20	3	1C105430	15
20	5	1C105431	15
20	10	1C105432	15
20	20	1C105433	15
20	30	1C105434	15
20	50	1C105435	15
20	75	1C105436	15
30	1	1C105437	15
30	3	1C105438	15
30	5	1C105439	15
30	10	1C105440	15
30	20	1C105441	15
30	30	1C105442	15
30	50	1C105443	15
30	75	1C105444	15

Plain End Connection – Double Open End, No Gasket - (Cont.)

Length (inches)	Micron	Item Number	Case Qty ¹
40	1	1C105445	15
40	3	1C105446	15
40	5	1C105447	15
40	10	1C105448	15
40	20	1C105449	15
40	30	1C105450	15
40	50	1C105451	15
40	75	1C105452	15

Materials

Gasket/O-Ring (if applicable)	EPDM (alternate materials available upon request)
Media	Polypropylene
End Cap (if applicable)	Polypropylene
Spring (if applicable)	Polypropylene
Integrated Core	Polypropylene

Maximum Operating Temperature

167°F

Product Selection¹

Model	Length (inches)	Micron	Connection	Gasket
PP-FC 100	10	0.5	DOE	EPDM
	20	1	Plain End	Viton ^{®2}
	30	3	Code 2	Teflon ^{®3}
	40	5	Code 3	Silicone
		10	Code 7	
		20	Code 8	
		30	Spring	
		50		
		75		

¹ If unable to find part number for desired combination, please contact your Donaldson representative for availability.

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³ Teflon[®] is a registered trademark of DuPont Performance Elastomers L.L.C

⁴ All trademarks belong to their respective owners.



The PP-FC 100 Series is Tested and Certified by NSF International against NSF/ANSI Standard 42 for material requirements only.

COMPONENT



Drop-in Replacements

Manufacturer	Model
Parker Domnick Hunter	Peplyn
Pall	Nexis
Pall	Claris
3M Cuno	Betapure
3M Cuno	Micro-Klean
GE	Hytrex
GE	ROSave.Z
GE	ZCore
GE	AbsoluteZ
Global Filter	GWTB
Global Filter	GCTB
Global Filter	GATB

¹ All trademarks belong to their respective owners

DID YOU KNOW? PP-FC 100 has an integrated polypropylene core to withstand higher temperatures and pressures than the standard PP-FC.

PP-Q NOMINAL POLYPROPYLENE FILTER ELEMENTS

Code 7, Code 8, and DOE End Connections

Length (inches)	Micron	Code 7 (226/Fin) Item Number	Code 8 (222/Fin) Item Number	DOE Item Number	Case Qty ¹
10	0.2	AG1253024	AG12553022	AG1253021	12
10	0.5	AG1253044	AG12553042	AG1253041	12
10	1	AG1253064	AG12553062	AG1253061	12
10	3	AG1253084	AG12553082	AG1253081	12
10	5	AG1253104	AG12553102	AG1253101	12
10	10	AG1253124	AG12553122	AG1253121	12
10	25	AG1253144	AG12553142	AG1253141	12
10	50	AG1253164	AG12553162	AG1253161	12
20	0.2	AG1253029	AG1253027	AG1253026	12
20	0.5	AG1253049	AG1253047	AG1253046	12
20	1	AG1253069	AG1253067	AG1253066	12
20	3	AG1253089	AG1253087	AG1253086	12
20	5	AG1253109	AG1253107	AG1253106	12
20	10	AG1253129	AG1253127	AG1253126	12
20	25	AG1253149	AG1253147	AG1253146	12
20	50	AG1253169	AG1253167	AG1253166	12
30	0.2	AG1253034	AG1253032	AG1253031	12
30	0.5	AG1253054	AG1253052	AG1253051	12
30	1	AG1253074	AG1253072	AG1253071	12
30	3	AG1253094	AG1253092	AG1253091	12
30	5	AG1253114	AG1253112	AG1253111	12
30	10	AG1253134	AG1253132	AG1253131	12
30	25	AG1253154	AG1253152	AG1253151	12
30	50	AG1253174	AG1253172	AG1253171	12
40	0.2	AG1253039	AG1253037	AG1253036	12
40	0.5	AG1253059	AG1253057	AG1253056	12
40	1	AG1253079	AG1253077	AG1253076	12
40	3	AG1253099	AG1253097	AG1253096	12
40	5	AG1253119	AG1253117	AG1253116	12
40	10	AG1253139	AG1253137	AG1253136	12
40	25	AG1253159	AG1253157	AG1253156	12
40	50	AG1253179	AG1253177	AG1253176	12

¹ Minimum/multiple order quantity – one case.

Materials

	Material	CFR Title 21
O-Ring/Gasket	Silicone	177.2600
Media	Polypropylene	177.1520
Support Cage & End Caps	Polypropylene	177.1520

Maximum Operating Temperature

176°F



PP-Q vs. LifeTec™ PP N Filter

PP-Q	LifeTec™ PP N Filter
Manufactured in a white room	Manufactured in a ISO 9001 Class 7 clean room
90% efficient at given micron	98% efficient at given micron
5.6 square feet of media per 10" segment	8.8 square feet of media per 10" segment
	Rated for over 100 steam sterilization cycles
	Serial number traceability for every element
	Rhombus cage structure for greater structural integrity
	Halal and NSF-42 certifications

Retention

Retention Rate	Percent Removal	
	95%	90%
0.2	0.25 µm	0.2 µm
0.5	0.6 µm	0.5 µm
1	1.25 µm	1 µm
3	4 µm	3 µm
5	6.5 µm	5 µm
10	12 µm	10 µm
25	28 µm	25 µm
50	58 µm	50 µm

Product Selection¹

Media	Length (inches)	Connection	Retention	O-Ring
Polypropylene	10	DOE	0.2	Silicone
	20	Code 8	0.5	Buna
	30	Code 7	1	EPDM
	40	Code 3	3	Viton®²
		Code 2	5	Teflon™³ Encapsulated Viton®
			10	
			25	
			50	

¹ If unable to find part number for desired combination, please contact your Donaldson representative for availability.

² Viton® is a registered trademark of E. I. du Pont de Nemours and Company or its affiliates.

³ Teflon™ is a registered trademark of DuPont Performance Elastomers L.L.C.

⁴ All trademarks belong to their respective owners

Drop-in Replacements

Manufacturer	Model
Parker Domnick Hunter	Peplyn
Parker Domnick Hunter	Polyflow
Pall	Poly-Fine II
Pall	Profile Star
3M Cuno	Betafine
GE	Flotrex
Meissner	Duraclear
Meissner	Vanguard
Graver	PMC
Millipore	Polygard CN
Global Filter	High Purity - PP
Global Filter	Economy PP

¹ All trademarks belong to their respective owners

PP100-Q ABSOLUTE POLYPROPYLENE FILTER ELEMENTS

Code 7, Code 8, and DOE End Connections

Length (inches)	Micron	Code 7 (226/Fin) Item Number	Code 8 (222/Fin) Item Number	DOE Item Number	Case Qty ¹
10	0.2	AG1253184	AG1253182	AG1253181	12
10	0.45	AG1253204	AG1253202	AG1253201	12
10	1	AG1253224	AG1253222	AG1253221	12
10	3	AG1253244	AG1253242	AG1253241	12
10	5	AG1253264	AG1253262	AG1253261	12
10	10	AG1253284	AG1253282	AG1253281	12
10	20	AG1253304	AG1253302	AG1253301	12
10	30	AG1253324	AG1253322	AG1253321	12
10	40	AG1253329	AG1253327	AG1253326	12
10	50	AG1253334	AG1253332	AG1253331	12
20	0.2	AG1253189	AG1253187	AG1253186	12
20	0.45	AG1253209	AG1253207	AG1253206	12
20	1	AG1253229	AG1253227	AG1253226	12
20	3	AG1253249	AG1253247	AG1253246	12
20	5	AG1253269	AG1253267	AG1253266	12
20	10	AG1253289	AG1253287	AG1253286	12
20	20	AG1253309	AG1253307	AG1253306	12
20	30	AG1253339	AG1253337	AG1253336	12
20	40	AG1253344	AG1253342	AG1253341	12
20	50	AG1253349	AG1253347	AG1253346	12
30	0.2	AG1253194	AG1253192	AG1253191	12
30	0.45	AG1253214	AG1253212	AG1253211	12
30	1	AG1253234	AG1253232	AG1253231	12
30	3	AG1253254	AG1253252	AG1253251	12
30	5	AG1253274	AG1253272	AG1253271	12
30	10	AG1253294	AG1253292	AG1253291	12
30	20	AG1253314	AG1253312	AG1253311	12
30	30	AG1253354	AG1253352	AG1253351	12
30	40	AG1253359	AG1253357	AG1253356	12
30	50	AG1253364	AG1253362	AG1253361	12
40	0.2	AG1253199	AG1253197	AG1253196	12
40	0.45	AG1253219	AG1253217	AG1253216	12
40	1	AG1253239	AG1253237	AG1253236	12
40	3	AG1253259	AG1253257	AG1253256	12
40	5	AG1253279	AG1253277	AG1253276	12
40	10	AG1253299	AG1253297	AG1253296	12
40	20	AG1253319	AG1253317	AG1253316	12
40	30	AG1253369	AG1253367	AG1253366	12
40	40	AG1253374	AG1253372	AG1253371	12
40	50	AG1253379	AG1253377	AG1253376	12

¹ Minimum/multiple order quantity – one case.

Materials

	Material	CFR Title 21
O-Ring/Gasket	Silicone	177.2600
Media	Polypropylene	177.1520
Support Cage & End Caps	Polypropylene	177.1520

Maximum Operating Temperature

176°F

Retention

Percent Removal		
99.98%	99%	98%
0.2 µm	0.1 µm	0.05 µm
0.45 µm	0.3 µm	0.2 µm
1 µm	0.65 µm	0.35 µm
3 µm	2.5 µm	2 µm
5 µm	4 µm	3 µm
10 µm	8 µm	7 µm
20 µm	17 µm	15 µm
30 µm	26 µm	21 µm
40 µm	34 µm	28 µm
50 µm	42 µm	36 µm

Product Selection¹

Media	Length (inches)	Connection	Retention	O-Ring
Polypropylene	10	DOE	0.2	Silicone
	20	Code 8	0.45	Buna
	30	Code 7	1	EPDM
	40	Code 3	3	Viton ^{®2}
		Code 2	5	Teflon ^{®3} Encapsulated Viton [®]
			10	
			20	
			30	
			40	
			50	

1 If unable to find part number for desired combination, please contact your Donaldson representative for availability.
2 Viton[®] is a registered trademark of E. I. du Pont de Nemours and Company or its affiliates.
3 Teflon[®] is a registered trademark of DuPont Performance Elastomers L.L.C.
4 All trademarks belong to their respective owners

PP100-Q vs. LifeTec™ PP N Filter

PP100-Q	LifeTec™ PP100 N Filter
Manufactured in a white room	Manufactured in a ISO 9001 Class 7 clean room
7 square feet of media per 10" segment	8.8 square feet of media per 10" segment
	Rated for over 100 steam sterilization cycles
	Serial number traceability for every element
	Rhombus cage structure for greater structural integrity and 10% more open area for increased flow
	Halal and NSF-42 certifications



Drop-in Replacements

Manufacturer	Model
Parker Domnick Hunter	Fulflo Abso-Mate
Parker Domnick Hunter	Fulflo Poly-Mate
Parker Domnick Hunter	Polyflow
Parker Domnick Hunter	Claripor
Parker Domnick Hunter	Peptyn
Parker Domnick Hunter	Proclear
Parker Domnick Hunter	Propleat
Parker Domnick Hunter	Protector
Pall	HDC
Pall	Poly-Fine
Pall	PREcart
Pall	Profile
Pall	Quantum
3M Cuno	Betafine
GE	Flowtrex AP
Sartorius	Sartopure
Meissner	Alpha
Graver	PMA
Graver	QMA
Graver	QMC
Entegris	Savana PP
Global Filter	High Purity - PP
Global Filter	Economy PP

1 All trademarks belong to their respective owners

LIFETEC™ PP N NOMINAL DEPTH FILTER ELEMENTS

DOE with Flat Gasket, Code 7, and Code 8 End Connections

Length (inches)	Micron	DOE Item Number	Code 7 Item Number	Code 8 Item Number	Case Qty¹
10	0.4	1C230411-84	1C230281-84	1C230291-84	1
10	1	1C230411-01	1C230281-01	1C230291-01	1
10	3	1C230411-03	1C230281-03	1C230291-03	1
10	5	1C230411-05	1C230281-05	1C230291-05	1
10	10	1C230411-10	1C230281-10	1C230291-10	1
10	30	1C230411-30	1C230281-30	1C230291-30	1
20	0.4	1C230412-84	1C230282-84	1C230292-84	1
20	1	1C230412-01	1C230282-01	1C230292-01	1
20	3	1C230412-03	1C230282-03	1C230292-03	1
20	5	1C230412-05	1C230282-05	1C230292-05	1
20	10	1C230412-10	1C230282-10	1C230292-10	1
20	30	1C230412-30	1C230282-30	1C230292-30	1
30	0.4	1C230413-84	1C230283-84	1C230293-84	1
30	1	1C230413-01	1C230283-01	1C230293-01	1
30	3	1C230413-03	1C230283-03	1C230293-03	1
30	5	1C230413-05	1C230283-05	1C230293-05	1
30	10	1C230413-10	1C230283-10	1C230293-10	1
30	30	1C230413-30	1C230283-30	1C230293-30	1
40	0.4	1C230414-84	1C230284-84	1C230294-84	1
40	1	1C230414-01	1C230284-01	1C230294-01	1
40	3	1C230414-03	1C230284-03	1C230294-03	1
40	5	1C230414-05	1C230284-05	1C230294-05	1
40	10	1C230414-10	1C230284-10	1C230294-10	1
40	30	1C230414-30	1C230284-30	1C230294-30	1

¹ Minimum/multiple order quantity – one case.

Materials

	Material	CFR Title 21
O-Ring/Gasket	EPDM	177.2600
Media	Polypropylene	177.1520
Support Cage & End Caps	Polypropylene	177.1520

Retention

Retention Rate	Percent Removal		
	98%	90%	80%
0.4	0.5 µm		
1	1 µm	0.5 µm	
3	3 µm	2 µm	1 µm
5	5 µm	3 µm	2 µm
10	10 µm	5 µm	3 µm
30	30 µm	20 - 30 µm	10 - 20 µm

Product Selection¹

Model	Length/Diameter (inches)	Micron	Connection	Gasket
PP N	10	0.4	UF	EPDM
	20	1	DOE	Silicone
	30	3	Code 2	Viton ^{®2}
	40	5	Code 3	Fluoraz ^{®3}
		10	Code 7	
		30	Code 8	
			Code 9	

1 If unable to find part number for desired combination, please contact your Donaldson representative for availability.

2 Viton[®] is a registered trademark of E. I. du Pont de Nemours and Company or its affiliates.

3 Fluoraz[®] is a registered trademark of Greene, Tweed & Co.

4 All trademarks belong to their respective owners

Drop-in Replacements

Manufacturer	Model
Parker Domnick Hunter	Peplyn
Parker Domnick Hunter	Polyflow
Pall	Poly-Fine II
Pall	Profile Star
3M Cuno	Betafine
GE	Flotrex
Meissner	Duraclear
Meissner	Vanguard
Graver	PMC
Millipore	Polygard CN
Global Filter	High Purity - PP
Global Filter	Economy PP

1 All trademarks belong to their respective owners



The LifeTec™ PP N Series
is Tested and Certified by NSF International
against NSF/ANSI Standard 42
for material requirements only.

COMPONENT

LIFETEC™ PP100 N ABSOLUTE DEPTH FILTER ELEMENTS

DOE with Flat Gasket, Code 7, and Code 8 End Connections

Length (inches)	Micron	DOE Item Number	Code 7 Item Number	Code 8 Item Number	Case Qty ¹
10	0.6	1C230241-86	1C230221-86	1C230246-86	1
10	0.8	1C230241-88	1C230221-88	1C230246-88	1
10	1	1C230241-01	1C230221-01	1C230246-01	1
10	2.4	1C230241-02	1C230221-02	1C230246-02	1
10	5	1C230241-05	1C230221-05	1C230246-05	1
10	10	1C230241-10	1C230221-10	1C230246-10	1
20	0.6	1C230242-86	1C230222-86	1C230247-86	1
20	0.8	1C230242-88	1C230222-88	1C230247-88	1
20	1	1C230242-01	1C230222-01	1C230247-01	1
20	2.4	1C230242-02	1C230222-02	1C230247-02	1
20	5	1C230242-05	1C230222-05	1C230247-05	1
20	10	1C230242-10	1C230222-10	1C230247-10	1
30	0.6	1C230243-86	1C230223-86	1C230248-86	1
30	0.8	1C230243-88	1C230223-88	1C230248-88	1
30	1	1C230243-01	1C230223-01	1C230248-01	1
30	2.4	1C230243-02	1C230223-02	1C230248-02	1
30	5	1C230243-05	1C230223-05	1C230248-05	1
30	10	1C230243-10	1C230223-10	1C230248-10	1
40	0.6	1C230244-86	1C230224-86	1C230249-86	1
40	0.8	1C230244-88	1C230224-88	1C230249-88	1
40	1	1C230244-01	1C230224-01	1C230249-01	1
40	2.4	1C230244-02	1C230224-02	1C230249-02	1
40	5	1C230244-05	1C230224-05	1C230249-05	1
40	10	1C230244-10	1C230224-10	1C230249-10	1

¹ Minimum/multiple order quantity – one case.

Materials

	Material	CFR Title 21
O-Ring/Gasket	EPDM	177.2600
Media	Polypropylene	177.1520
Support Cage & End Caps	Polypropylene	177.1520

Retention

Retention Rate	Percent Removal		
	99.98%	99%	90%
0.6	0.6 µm		
0.8	0.8 µm		
1	1 µm	< 0.5 µm	
2.4	2.4 µm	2 µm	> 0.5 µm
5	5 µm	> 1 µm	< 0.5 µm
10	10 µm	< 6 µm	> 2 µm



The LifeTec™ PP100 N Series is Tested and Certified by NSF International against NSF/ANSI Standard 42 for material requirements only.

COMPONENT



Product Selection¹

Model	Length/Diameter (inches)	Micron	Connection	Gasket
PP100 N	10	0.6	UF	EPDM
	20	0.8	DOE	Silicone
	30	1	Code 2	Viton ⁰²
	40	2.4	Code 3	Fluoraz ⁰³
		5	Code 7	
		10	Code 8	
			Code 9	

1 If unable to find part number for desired combination, please contact your Donaldson representative for availability.
2 Viton™ is a registered trademark of E. I. du Pont de Nemours and Company or its affiliates.
3 Fluoraz® is a registered trademark of Greene, Tweed & Co.
4 All trademarks belong to their respective owners

Drop-in Replacements

Manufacturer	Model
Parker Domnick Hunter	Fulflo Abso-Mate
Parker Domnick Hunter	Fulflo Poly-Mate
Parker Domnick Hunter	Polyflow
Parker Domnick Hunter	Claripor
Parker Domnick Hunter	Peplyn
Parker Domnick Hunter	Prepor
Parker Domnick Hunter	Proclear
Parker Domnick Hunter	Propleat
Parker Domnick Hunter	Protector
Pall	HDC
Pall	Poly-Fine
Pall	PREcart
Pall	Profile
Pall	Quantum
3M Cuno	Betafine
GE	Flowtrex AP
Sartorius	Sartopure
Meissner	Alpha
Graver	PMA
Graver	QMA
Graver	QMC
Entegris	Savana PP
Global Filter	High Purity - PP
Global Filter	Economy PP

1 All trademarks belong to their respective owners

LIFETEC™ PES-WN STERILE MEMBRANE FILTER ELEMENTS (FOR PROCESSED FOOD & BEVERAGE)

Code 7 and Code 8 End Connections

Length (inches)	Micron	Code 7 Item Number	Code 8 Item Number	Case Qty
10	0.2	1C230101-82	1C230116-82	1
10	0.45	1C230101-84	1C230116-84	1
10	0.6	1C230101-86	1C230116-86	1
20	0.2	1C230102-82	1C230117-82	1
20	0.45	1C230102-84	1C230117-84	1
20	0.6	1C230102-86	1C230117-86	1
30	0.2	1C230103-82	1C230118-82	1
30	0.45	1C230103-84	1C230118-84	1
30	0.6	1C230103-86	1C230118-86	1
40	0.2	1C230104-82	1C230119-82	1
40	0.45	1C230104-84	1C230119-84	1
40	0.6	1C230104-86	1C230119-86	1

Materials

	Material	CFR Title 21
O-Ring/Gasket	EPDM	177.2600
Media	Polyethersulfone	177.2240
Support Cage & End Caps	Polypropylene	177.1520

Retention (According to HIMA Challenge per ASTM)

Filter Grade	Microorganism	LRV / cm ²
0.6 µm	Saccharomyces cerevisiae	> 7
0.45 µm	Saccharomyces cerevisiae Serratia Marcescens	> 7
0.2 µm	Saccharomyces cerevisiae Serratia Marcescens Brevundimonas diminuta	> 7



The LifeTec™ PES-WN Series is Tested and Certified by NSF International against NSF/ANSI Standard 42 for material requirements only.

COMPONENT



Drop-in Replacements

Manufacturer	Model
Parker Domnick Hunter	Bevpor
Parker Domnick Hunter	Clariflow
Parker Domnick Hunter	Evadur
Parker Domnick Hunter	Prepor
Parker Domnick Hunter	Clearflow
Parker Domnick Hunter	Propor
Pall	Fuente
Pall	Verafine
Pall	SuporFlow
Pall	Ultipleat
Pall	BB Final Bee
Pall	VaraClean
Pall	Mega-Etch
Pall	MEMBRAcart XL
Pall	OneoPure
Pall	Supor
Pall	Water-Fine
Pall	WFPK
3M Cuno	LifeASSURE
3M Cuno	BevAssure
GE	Memtrex MP
GE	XPleat-GF
Sartorius	Sartocool
Sartorius	Aquasart
Sartorius	Vinosart
Sartorius	Sartobev
Meissner	EverLUX
Meissner	STyLUX
Graver	ZTEC
Entegris	Intercept
Entegris	HSM
Global Filter	High Purity PES

1 All trademarks belong to their respective owners

Product Selection¹

Model	Length/Diameter (inches)	Micron	Connection	Gasket
PES-WN	10	0.2	UF	EPDM
	20	0.45	DOE	Silicone
	30	0.6	Code 2	Viton ⁰²
	40		Code 3	Fluoraz ⁰³
			Code 7	
			Code 8	
			Code 9	

1 If unable to find part number for desired combination, please contact your Donaldson representative for availability.
2 Viton® is a registered trademark of E. I. du Pont de Nemours and Company or its affiliates.
3 Fluoraz® is a registered trademark of Greene, Tweed & Co.
4 All trademarks belong to their respective owners

LIFETEC™ PES-BN-A ABSOLUTE MEMBRANE FILTER ELEMENTS

Code 7 and Code 8 End Connections

Length (inches)	Micron	Code 7 Item Number	Code 8 Item Number	Case Qty
10	0.45	1C230801-84A	1C230816-84A	1
10	0.65	1C230801-86A	1C230816-86A	1
20	0.45	1C230802-84A	1C230817-84A	1
20	0.65	1C230802-86A	1C230817-86A	1
30	0.45	1C230803-84A	1C230818-84A	1
30	0.65	1C230803-86A	1C230818-86A	1
40	0.45	1C230804-84A	1C230819-84A	1
40	0.65	1C230804-86A	1C230819-86A	1



Liquid Filtration
Elements

Drop-in Replacements

Manufacturer	Model
Parker Domnick Hunter	Bevpor
Parker Domnick Hunter	Clariflow
Parker Domnick Hunter	Evadur
Parker Domnick Hunter	Prepor
Parker Domnick Hunter	Clearflow
Parker Domnick Hunter	Propor
Pall	Fuente
Pall	Verafine
Pall	SuporFlow
Pall	Ultipleat
Pall	BB Final Bee
Pall	VaraClean
Pall	Mega-Etch
Pall	MEMBRACart XL
Pall	OneoPure
Pall	Supor
Pall	Water-Fine
Pall	WFPK
3M Cuno	LifeASSURE
3M Cuno	BevAssure
GE	Memtrex MP
Sartorius	Sartocool
Sartorius	Aquasart
Sartorius	Vinosart
Sartorius	Sartobev
Meissner	EverLUX
Meissner	STyLUX
Graver	ZTEC
Entegris	Intercept
Entegris	HSM
Global Filter	High Purity PES

Materials

	Material	CFR Title 21
O-Ring/Gasket	EPDM	177.2600
Media	Polyethersulfone	177.2240
Support Cage & End Caps	Polypropylene	177.1520

Retention (According to HIMA Challenge per ASTM)

Filter Grade	Microorganism	LRV / cm ²
0.45 µm	Serratia Marcescens	> 7

Product Selection¹

Model	Length/Diameter (inches)	Micron	Connection	Gasket
PES-BN-A	10	0.65	UF	EPDM
	20		DOE	Silicone
	30		Code 2	Viton ^{®2}
	40		Code 3	Fluoraz ^{®3}
			Code 7	
			Code 8	
			Code 9	

¹ If unable to find part number for desired combination, please contact your Donaldson representative for availability.

² Viton[®] is a registered trademark of E. I. du Pont de Nemours and Company or its affiliates.

³ Fluoraz[®] is a registered trademark of Greene, Tweed & Co.

⁴ All trademarks belong to their respective owners

O-RINGS FOR LIQUID FILTRATION ELEMENTS

O-Rings¹

Element Connection	Element Model / Dimensions (mm)	Item Number			
		EPDM	Viton ^{®2}	Silicone	Fluoraz ^{®3}
UF Connection Element ¹	03/10 - 04/10 25 x 2.6"	1C364120-AS	1C362120-AS	1C360120-AS	1C375101-AS
	04/20 - 07/25 30 x 3.5"	1C364130-AS	1C362130-AS	1C360130-AS	1C375102-AS
	05/30 - 40/30 52 x 3.5"	1C364160-AS	1C362160-AS	1C360160-AS	1C375104-AS
	30/50 79 x 3.5"	1C364240-AS	NA	1C360240-AS	1C375105-AS
Code 2, 7 Connection Element ¹	05/30 - 40/30 52 x 3.5"	AG1326201	1C362158-AS	1C360156-AS	1C375104-AS
Double Open End ¹	10/30 - 40/30	1C359309-AS	1C359307-AS	NA	NA
Code 3, 8, 9 Connection Element ¹	05/30 - 40/30 38 x 3.5"	AG1351401	1C363153-AS	1C360153-AS	NA

1 Two seals are used on each element.
2 Viton[®] is a registered trademark of E. I. du Pont de Nemours and Company or its affiliates.
3 Fluoraz[®] is a registered trademark of Greene, Tweed & Co.

P-EG FILTER HOUSINGS & ACCESSORIES

FNPT Housings – 304 SS

CRN⁵ MTR⁷

Model Number	Steam Capacity ¹ (lbs/hr)	Connection (FNPT) (C)	Dimensions (inches)					Weight w/o Element (lbs)	Element ² Connection, Size & Qty	Item Number
			Height (A)	Width (±.125) (B)	ØD	Conn. Height (E)	Clearance (F)			
P-EG 0006	100	1/4"	8.15	4.13	2.76	2.00	4.25	4.0	UF, 03/10, Qty 1	AG1252538
P-EG 0009	150	3/8"	9.27	4.13	2.76	2.00	5.50	4.5	UF, 04/10, Qty 1	AG1252539
P-EG 0012	175	1/2"	9.27	4.25	2.76	2.00	5.50	4.5	UF, 04/20, Qty 1	AG1252540
P-EG 0018	225	3/4"	10.25	4.92	2.76	2.00	6.50	4.5	UF, 05/20, Qty 1	AG1252541
P-EG 0027	300	1"	11.26	4.92	3.35	2.72	6.50	6.0	UF, 05/25, Qty 1	AG1252542
P-EG 0036	430	1-1/4"	13.31	5.51	3.35	2.76	11.00	7.0	UF, 07/25, Qty 1	AG1252543
P-EG 0048	610	1-1/2"	14.91	6.69	4.09	3.60	11.50	9.0	UF, 07/30, Qty 1	AG1252544
P-EG 0072	800	2"	17.97	6.69	4.09	3.62	14.50	11.5	UF, 10/30, Qty 1	AG1252545
P-EG 0108	1,075	2"	22.89	6.69	4.09	3.60	19.50	12.5	UF, 15/30, Qty 1	AG1252546
P-EG 0144	1,650	2-1/2"	28.68	8.15	5.08	3.98	25.00	19.5	UF, 20/30, Qty 1	AG1252547
P-EG 0192	2,050	3"	38.96	8.15	5.08	4.11	35.00	24.5	UF, 30/30, Qty 1	AG1252548
P-EG 0288	2,530	3"	40.00	9.45	6.06	4.32	35.69	32.5	UF, 30/50, Qty 1	AG1252549

Steam Filtration Housings

ANSI Flange Housings⁴ – 304 SS

ASME⁴ CRN⁶

Model Number	Steam Capacity ¹ (lbs/hr)	Connection (ANSI) (C)	Dimensions (inches)					Weight w/o Element (lbs)	Element ² Connection, Size & Qty	Item Number
			Height (A)	Width (±.125) (B)	ØD	Conn. Height (E)	Clearance (F)			
P-EG 0027	300	1"	11.00	9.69	3.35	2.66	6.50	11.00	UF, 05/25, Qty 1	AG1252550
P-EG 0036	430	1-1/4"	13.31	10.02	3.35	2.76	8.50	14.00	UF, 07/25, Qty 1	AG1252551
P-EG 0048	610	1-1/2"	14.92	11.57	4.09	3.58	8.50	17.00	UF, 07/30, Qty 1	AG1252552
P-EG 0072	800	2"	17.89	11.69	4.09	3.60	11.50	22.00	UF, 10/30, Qty 1	AG1252553
P-EG 0108	1,075	2"	22.89	11.69	4.09	3.58	16.50	23.00	UF, 15/30, Qty 1	AG1252554
P-EG 0144	1,650	2-1/2"	28.59	13.02	5.08	3.94	21.50	33.00	UF, 20/30, Qty 1	AG1252555
P-EG 0192	2,050	3"	38.94	13.02	5.08	4.11	31.50	40.00	UF, 30/30, Qty 1	AG1252556
P-EG 0288	2,530	3"	40.02	14.95	6.06	4.34	32.50	52.00	UF, 30/50, Qty 1	AG1252557
P-EG 0432	4,500	4"	36.66	16.14	8.62	7.25	23.00	140.00	UF, 20/30, Qty 3	AG1254433
P-EG 0576	5,850	4"	46.66	16.14	8.62	7.25	33.00	183.00	UF, 30/30, Qty 3	AG1254434
P-EG 0768	9,200	6"	53.13	18.90	10.75	9.00	33.00	220.00	UF, 30/30, Qty 4	AG1254435
P-EG 1152	12,000	6"	54.79	21.26	12.75	8.82	33.00	338.00	UF, 30/30, Qty 6	AG1254436
P-EG 1536	14,900	8"	62.63	26.00	16.00	15.82	33.00	628.00	UF, 30/30, Qty 8	AG1254437
P-EG 1920	17,100	8"	60.50	25.98	16.00	13.87	33.00	628.00	UF, 30/30, Qty 10	AG1254438

1 Published capacity based on 100 psig inlet pressure for compressed gas and 50 psig for steam. To determine capacity at other operating pressures, multiply published value by correction factor. Capacities are general recommendations and may vary based on element selections, operating conditions, and allowable pressure losses.

2 P-EG housings are designed for elements with UF push-in end. See page 43 for element selection.

3 P-EG 0432-1920 are ASME code stamped.

4 CRN registration of P-EG 0006-0288 housings is available for all Canadian provinces. Consult your Donaldson representative for details.

5 CRN for 0432-1920 available upon request (P-EG 0432 AG1081301, P-EG 0576 AG1081401, P-EG 0768 AG1081501, P-EG 1152 AG1081601, P-EG 1536 AG1081701, P-EG 1920 AG1081801).

6 MTR available upon request.

Capacity Correction Factors for Steam Applications¹

Operating Pressure (psig)	15	35	50	82	115	125	150	175
Saturated Steam Temperature (°F)	250	281	297	324	347	353	366	377
Correction Factor	0.46	0.77	1.0	1.5	2.0	2.15	2.53	2.92

¹ Published capacity based on 100 psig inlet pressure for compressed gas and 50 psig for steam. To determine capacity at other operating pressures, multiply published value by correction factor. Capacities are general recommendations and may vary based on element selections, operating conditions, and allowable pressure losses.

Materials

Filter Housing	304 SS and 316L SS (on request)
Sealing Nut	304 SS
Plug	304 SS/PTFE Gasket
Housing Gasket	EPDM (For longer service life at higher temperatures, contact your Donaldson Representative for alternate gasket materials.)

Design Pressure and Temperature

FNPT Housings (0006-0192)	232 psig @ 392°F
FNPT Housing (0288)	174 psig @ 392°F
ANSI Flanged Housings (0027-0192)	232 psig @ 302°F
ANSI Flanged Housing (0288)	174 psig @ 302°F
ANSI Flanged Housings (0432-1920)	150 psig @ 450°F

Surface Finish

Inner	
P-EG 0006-0288	Pickled and passivated to Ra 63
P-EG 0432-1920	Bead blast
Outer	
P-EG 0006-0288	Pickled, passivated and polished to Ra 63
P-EG 0432-1920	Bead blast

Vent/Drain Connections

FNPT Housings (0006-0288)	Vent – ½” NPT
	Drain – ½” NPT
ANSI Flanged Housings (0027-0288)	Vent – ½” NPT
	Drain – ½” NPT
ANSI Flanged Housings (0432-1920)	Vent – ½” NPT
	Drain – ½” NPT

Connection Types¹

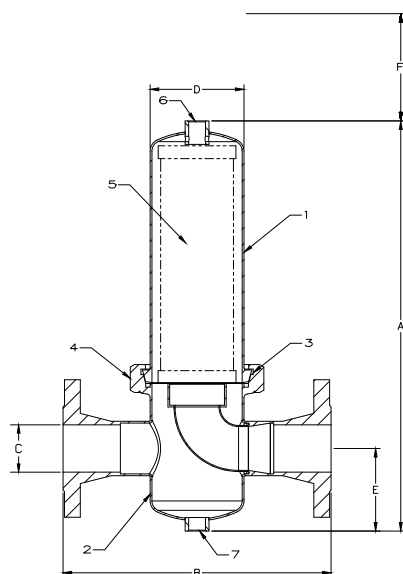
NPT thread connection (standard for P-EG 0006-0288 housings)
ANSI Flange (standard for P-EG 0432-1920; optional up to 0288)
Welded Ends (optional)

¹ Other connections and larger housings available upon request.

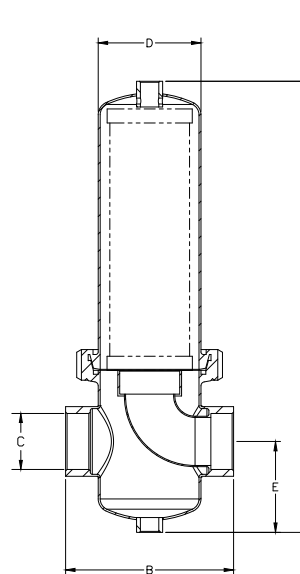


DID YOU KNOW? The Donaldson P-EG and PG-EG housings can be used for filtering air, gas and steam. If used in compressed air or gas coalescing applications, the housing must be inverted so the gas flows inside to out and moisture drains out of the bowl.

ANSI FLANGE



FNPT HOUSING

Product Selection¹

Model	Material	Element Count	Element Length (inches)	Element Connection	Inlet/Outlet Connection Size (inches)	Inlet/Outlet Connection	Closure Style	Gasket Material	Certifications	Inner Finish
P-EG	304 SS	1	10	UF	.25 - 10.0	ANSI	DIN 11851	EPDM	CRN	Pickled and Passivated
	316L SS	3	20	Code 7		FNPT	Flange	Silicone	ASME	Bead Blast
		4	30			MNPT		Buna	MTR	Electropolish
		6	40			Tri-Clamp ²		Viton ³		
		8				Weld		Teflon ⁴ over Silicone		
		10						Fluoraz ⁵		

1. If unable to find part number for desired combination, please contact your Donaldson representative for availability.

2 Tri-Clamp[®] is a registered trademark of Ladish Company.

3 Viton[®] is registered trademarks of DuPont Performance Elastomers L.L.C.

4 Teflon[®] is a registered trademark of E. I. du Pont de Nemours and Company or its affiliates.

5 Fluoraz[®] is a registered trademark of Greene, Tweed & Co.

Housing Gaskets

Housing Model	Gasket Material	Item Number	Max Temp Air/Steam	Qty per Package
P-EG 0006-0018	EPDM	1C350138-AS	386°F	1
	Silicone	1C350102-AS	450°F	1
	Teflon ^{®1}	1C350126-AS	500°F	1
	Viton ^{®2}	1C350114-AS	400°F	1
	Fluoraz ^{®4}	1C350319-AS	450°F	1
P-EG 0027-0036	EPDM	1C350139-AS	386°F	1
	Silicone	1C350103-AS	450°F	1
	Teflon [®]	1C350127-AS	500°F	1
	Viton [®]	1C350115-AS	400°F	1
	Fluoraz [®]	1C350320-AS	450°F	1
P-EG 0048-0108	EPDM	1C350140-AS	386°F	1
	Silicone	1C350104-AS	450°F	1
	Teflon [®]	1C350128-AS	500°F	1
	Viton [®]	1C350116-AS	400°F	1
	Fluoraz [®]	1C350321-AS	450°F	1
P-EG 0144-0192	EPDM	1C350141-AS	386°F	1
	Silicone	1C350105-AS	450°F	1
	Teflon [®]	1C350129-AS	500°F	1
	Viton [®]	1C350117-AS	400°F	1
	Fluoraz [®]	1C350322-AS	450°F	1
P-EG 0288	EPDM	1C350142-AS	386°F	1
	Silicone	1C350106-AS	450°F	1
	Teflon [®]	1C350130-AS	500°F	1
	Viton [®]	1C350118-AS	400°F	1
	Fluoraz [®]	1C350323-AS	450°F	1
P-EG 0432-0576	EPDM	AG1226501	386°F	5
P-EG 0768	EPDM	AG1226502	386°F	2
P-EG 1152	EPDM	AG1226510	386°F	2
P-EG 1536-1920	EPDM	AG1226503	386°F	5

Plugs

Housing Model	Part Type	Material	Item Number
P-EG 0006-0288 ³	Vent Plug, 1/4" BSP	304SS	1C300038-AS
	Drain Plug, 1/4" NPT	304SS	1C105091
	Vent/Drain Gasket	PTFE	1C350192-AS
P-EG 0006-1920	Vent/Drain Plug, 1/2" NPT	304SS	1C105095

Housing Wrenches

Housing Model	Item Number
P-EG 0006-0108	1C300115-AS
P-EG 0144-0288	1C300116-AS

Spirax™ CSF 26 Housing O-Rings

Spirax Housing Model Number	O-Ring Size (AS568)	Item Number
CSF 26 1/2" & 3/4"	- 335	1C105902
CSF 26 1" - 2-1/2"	- 242	1C105904
CSF 26 3"	- 364	1C105905

1 Teflon[®] is a registered trademark of E. I. du Pont de Nemours and Company or its affiliates.
2 Viton[®] is registered trademarks of DuPont Performance Elastomers L.L.C.
3 Fluoraz[®] is a registered trademark of Greene, Tweed & Co.
4 Denotes that both the plug and plug gasket should be ordered together.

P-EG STEAM TRAP & THERMAL INSULATION JACKETS

Trap

Part Type	Housing Model	Connection		Dimensions (inches)		Item Number
		Inlet	Outlet	Height (A)	Width (B)	
Drain Kit, 1/2" MNPT Inlet	P-EG 0006-1920	1/2" MNPT	1/2" FNPT	13.7	2.75	AG1109030
Drain, 1/2" Tri-Clamp Inlet	P-EG 0006, 0018, 0432-1920	1/2" Tri-Clamp	1/2" FNPT	7.26	2.75	AG1253941
Drain Kit, 1/2" MNPT Inlet	P-EG 0032-0192	1 1/2" Tri-Clamp	1/2" FNPT	7.34	2.75	AG1253942

Materials

Drain Body	304 SS
Ball Valve	316 SS
Hex Bushing (if applicable)	316 SS
Pipe Nipple (if applicable)	316 SS
Thread Adapter (if applicable)	316 SS

Available Connection Types

Inlet	Outlet
1/2" NPT Male	1/2" FNPT
1/4" NPT Male	1/2" FNPT
1/4" BSP Male	1/2" FNPT

Kit Installation Orientation

Vertical only

Design Pressure and Temperature

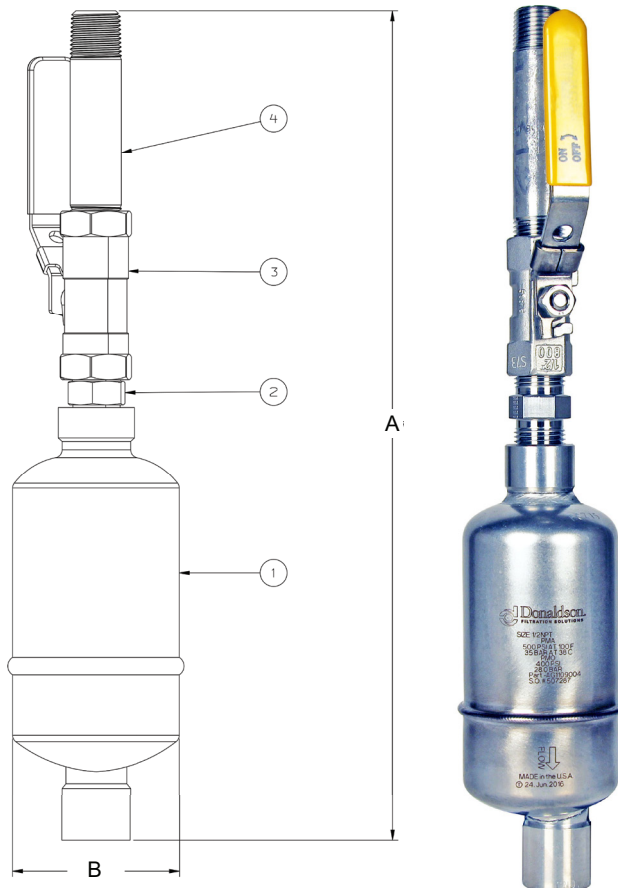
500 psig @ 100°F

440 psig @ 500°F

Steam Filtration
Housings

AG1109030

Drain Kit is used on: All standard P-EG housing models 0006-1920



1/2 MNPT Inlet x 1/2 FNPT Outlet, SS

No.	Description
1	Drain, 1/2 FNPT, 304 SS
2	Hex nipple, 1/2 MNPT x 1/2 MNPT, 316 SS
3	Ball valve, 1/2 FNPT x 1/2 FNPT, 316 SS
4	Pipe nipple, 1/2 MNPT x 1/2 MNPT, 316 SS

Thermal Insulation Jackets

P-EG Model Number	Connection Type (inch)	Item Number
0006	1/4 NPT	AG1252175
0009	3/8 NPT	AG1252176
0012	1/2 NPT	AG1252177
0018	3/4 NPT	AG1252178
0027	1 NPT	AG1252179
0036	1-1/4 NPT	AG1252180
0048	1-1/2 NPT	AG1252181
0072	2 NPT	AG1252182
0108	2 NPT	AG1252183
0144	2-1/2 NPT	AG1252184
0192	3 NPT	AG1252185
0288	3 NPT	AG1252186
0432	4 ANSI Flange	AG1252351

Steam Filtration
Housings



PG-EG SANITARY FILTER HOUSINGS & ACCESSORIES

Tri-Clamp® Housings – 3A Certified and BPE Compliant – 316L SS



Model Number	Steam Capacity ¹ (lbs/hr)	Connection (Tri-Clamp®) (C)	Dimensions (inches)						Weight w/o Element (lbs)	Element	Item Number
			Height (A)	Width (±.125) (B)	ØD	Conn. Height (E)	Clearance (F)	Conn. OD (G)		Connection, Size & Qty	
PG-EG 0006	100	1/2"	8.95	4.72	2.76	2.53	5.05	.98	3.5	UF, 03/10, Qty 1	AG1252657
PG-EG 0018	160	3/4"	11.11	4.72	2.76	2.53	7.21	.98	4.0	UF, 05/20, Qty 1	AG1252658
PG-EG 0032	400	1"	14.49	6.38	4.10	3.13	9.21	1.98	8.5	Code 7, 05/30, Qty 1	AG1252659
PG-EG 0072	800	2"	19.72	6.38	4.10	3.09	14.48	2.52	10.0	Code 7, 10/30, Qty 1	AG1252660
PG-EG 0144	1,800	2-1/2"	30.44	8.11	4.10	3.68	24.02	3.05	13.0	Code 7, 20/30, Qty 1	AG1252661
PG-EG 0192	2,500	3"	40.28	8.11	4.10	3.72	33.82	3.58	17.0	Code 7, 30/30, Qty 1	AG1252662

ANSI Flange Housings³ – 316L SS

MTR⁵ CRN ASME

Model Number	Steam Capacity ¹ (lbs/hr)	Connection (ANSI) (C)	Dimensions (inches)					Weight w/o Element (lbs)	Element	Item Number
			Height (A)	Width (±.125) (B)	ØD	Conn. Height (E)	Clearance (F)		Connection, Size & Qty	
PG-EG 0432	4,500	4"	36.49	16.14	8.62	7.17	23.25	140	UF, 20/30, Qty 3	AG1373101
PG-EG 0576	5,850	4"	46.49	16.14	8.62	7.17	33.25	183	UF, 30/30, Qty 3	AG1373201
PG-EG 0768	9,200	6"	51.41	18.90	10.75	8.15	34.50	220	UF, 30/30, Qty 4	AG1373301
PG-EG 1152	12,000	6"	54.02	21.26	12.75	8.92	36.50	338	UF, 30/30, Qty 6	AG1373401
PG-EG 1536	14,900	8"	61.03	25.98	16.0	15.02	35.50	628	UF, 30/30, Qty 8	AG1373501
PG-EG 1920	17,100	8"	57.19	25.98	16.0	11.41	35.50	628	UF, 30/30, Qty 10	AG1373601

Sanitary Drains

Item Number	Inlet/Outlet	Material
AG1253941	1/2" Tri-Clamp®	304 SS
AG1253942	1-1/2" Tri-Clamp®	304 SS

1 Published capacity based on 100 psig inlet pressure for compressed gas and 50 psig for steam. To determine capacity at other operating pressures, multiply published value by correction factor. Capacities are general recommendations and may vary based on element selections, operating conditions, and allowable pressure losses.

2 All ANSI flange housings are designed and built to ASME code and are stamped accordingly. The ANSI flange housings are not 3-A Certified.

3 Tri-Clamp® is a registered trademark of Ladish Company.

4 MTR available upon request.

5 CRN for 0432-1930 available upon request (PG-EG 0432 AG1083101, PG-EG 0576 AG1083201, PG-EG 0768 AG1083301, PG-EG 1152 AG1083401, PG-EG 1536 AG1083501, PG-EG 1920 AG1083601).



Capacity Correction Factors for Steam Applications¹

Operating Pressure (psig)	15	35	50	82	115	125	150	175
Saturated Steam Temperature (°F)	250	281	297	324	347	353	366	377
Correction Factor	0.46	0.77	1.0	1.5	2.0	2.15	2.53	2.92

1 Published capacity based on 100 psig inlet pressure for compressed gas and 50 psig for steam. To determine capacity at other operating pressures, multiply published value by correction factor. Capacities are general recommendations and may vary based on element selections, operating conditions, and allowable pressure losses.

Materials

Filter Housing	316L SS
Body Tri-Clamp®¹	304 SS
Vent and Drain Caps	316L SS
Housing Gasket	EPDM (For longer service life at higher temperatures, contact your Donaldson representative for alternate gasket materials.)

1 Tri-Clamp® is a registered trademark of Ladish Company.

Vent/Drain Connections

PG-EG 0006-0018	1/2" Tri-Clamp® vent and drain. Ports equipped with blind caps.
PG-EG 0032-0192	1 1/2 Tri-Clamp® vent and drain. Ports equipped with blind caps.
PG-EG 0432-1920	1/2" Tri-Clamp® vent and drain. Ports equipped with blind cap.

Surface Finish – Inner and Outer

PG-EG 0006-0192	Electropolished to Ra 32, Int. Surface Finish RA 15, BPE SF 4
PG-EG 0432-1920	Nitric passivated to Ra 32

3A Certified and BPE Compliant

PG-EG 0006-0192	3A Certified and BPE compliant
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Design Pressure and Temperature

Tri-Clamp® Housings	232 psig @ 392°F
ANSI Flange Housings	150 psig @ 450°F

Standard Connection Types¹

Tri-Clamp® (up to PG-EG 0192)
ANSI Flange (PG-EG 0432 and up)
Welded End (optional)

1 Other connection and larger housings available upon request.

Product Selection¹

Model	Material	Element Count	Element Length (inches)	Element Connection	Inlet/Outlet Connection Size (inches)	Inlet/Outlet Connection	Closure Style	Gasket Material	Certifications	Inner Finish
PG-EG	304 SS	1	10	UF	.5 - 8.0	Tri-Clamp®²	Tri-Clamp®	EPDM	3-A	Pickled and Passivated
	316L SS	3	20	Code 2		Weld	Flange	Silicone	ASME	Bead Blast
		4	30	Code 7		ANSI		Buna	CRN	Electropolish
		6	40					Viton®³	MTR	
		8						Teflon®⁴ over Silicone		
		10								

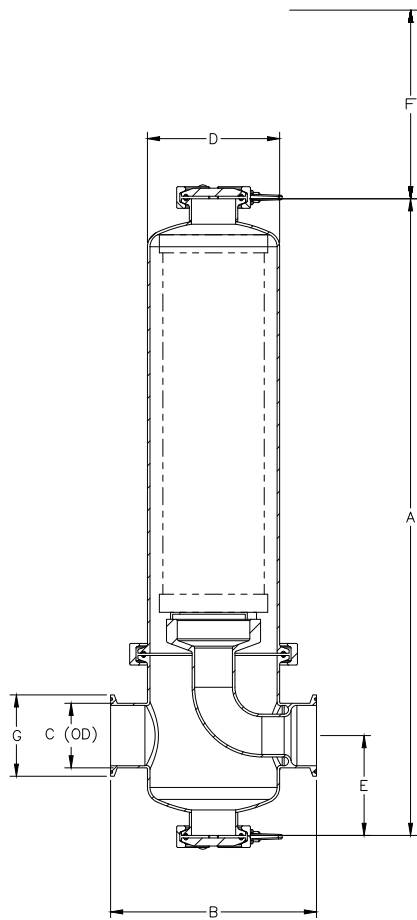
1 Contact your Donaldson representative if unable to find part number for desired combination, please contact your Donaldson representative for availability.

2 Tri-Clamp® is a registered trademark of Ladish Company.

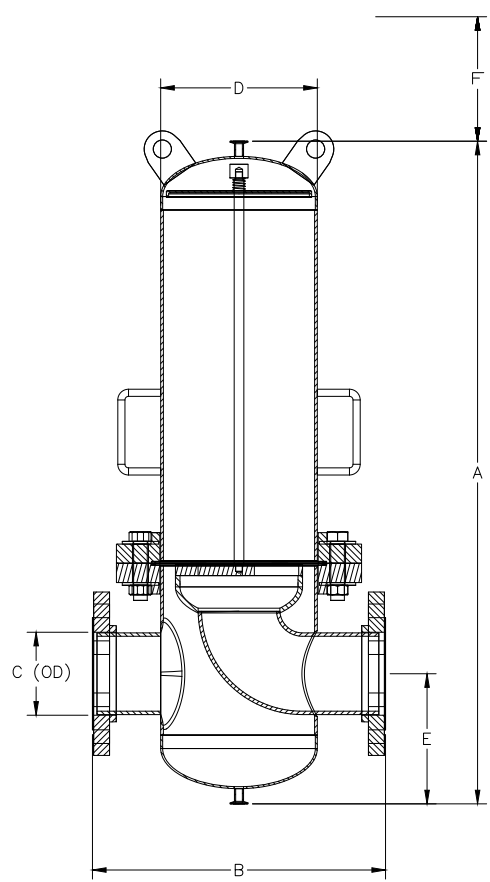
3 Viton® is a registered trademark of DuPont Performance Elastomers L.L.C.

4 Teflon® is a registered trademark of E. I. du Pont de Nemours and Company or its affiliates.

TRI-CLAMP® CONNECTION



ANSI FLANGE CONNECTION



Steam Filtration
Housings

Gaskets – Housings built after 2009²

Housing Model	Part Type	Material	Item Number	Qty per Package
PG-EG 0006-0018	Housing Gasket	EPDM	1C355508-AS	1
	Housing Gasket	Silicone	1C351001-AS	1
	Housing Gasket	Viton®	1C353001-AS	1
	Housing Gasket	Teflon®	1C354201-AS	1
	Vent Gasket	EPDM	1C355515-AS	1
PG-EG 0032-0192	Housing Gasket	EPDM	1C355509-AS	1
	Housing Gasket	Silicone	1C351028-AS	1
	Housing Gasket	Teflon®	1C354206-AS	1
	Housing Gasket	Viton®	1C353028-AS	1
	Vent Gasket	EPDM	1C355510-AS	1
PG-EG 0432	Housing Gasket	EPDM	AG1226501	5
PG-EG 0576	Housing Gasket	EPDM	AG1226501	5
PG-EG 0768	Housing Gasket	EPDM	AG1226502	2
PG-EG 1152	Housing Gasket	EPDM	AG1226510	2
PG-EG 1536	Housing Gasket	EPDM	AG1226503	2
PG-EG 1920	Housing Gasket	EPDM	AG1226503	2

Pharma Valves

Housing Model	Part Type	Material	Item Number	Qty per Package
PG-EG 0006-0018	1/8" BSP Straight Pharma Valve with O-Ring	316 SS Valve & EPDM O-Ring	1C310601-AS	1
PG-EG 0032-0192	1/4" BSP Straight Pharma Valve with O-Ring	316 SS Valve & EPDM O-Ring	1C310605-AS	1

Pharma Plugs

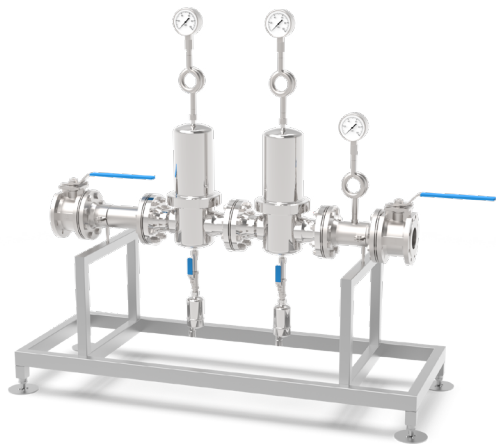
Housing Model	Part Type	Material	Item Number	Qty per Package
PG-EG 0006-0018	1/8" BSP Straight Pharma Plug with O-Ring	316 SS Plug & EPDM O-Ring	1C310901-AS	1
PG-EG 0032-0192	1/4" BSP Straight Pharma Plug with O-Ring	316 SS Plug & EPDM O-Ring	1C310905-AS	1

Clamps

Housing Model	Part Type	Material	Item Number	Qty per Package
PG-EG 0006-0018	Body Clamp	316 SS	1C312001-AS	1
	Housing Inlet/Outlet Clamp	316 SS	1C311910-AS	1
	Housing Vent Clamp	316 SS	1C311910-AS	1
PG-EG 0032-0192	Housing Vent Clamp	316 SS	1C311916-AS	1
PG-EG 0032-0192 built before 2009	Body Clamp	316 SS	1C312007-AS	1
PG-EG 0032-0192 built after 2009	Body Clamp	316 SS	1C312006-AS	1
PG-EG 0032	Housing Inlet/Outlet Clamp	316 SS	1C311916-AS	1
PG-EG 0072	Housing Inlet/Outlet Clamp	316 SS	1C311924-AS	1
PG-EG 0144	Housing Inlet/Outlet Clamp	316 SS	1C311932-AS	1
PG-EG 0192	Housing Inlet/Outlet Clamp	316 SS	1C312001-AS	1

- 1 Use with PG-EG housing that were built before September 2009 - item numbers that begin with 1C0760 and 1C07620 and old-style PF-EG housing item numbers that begin with 1C0732.
- 2 Use with PG-EG 3A housings built after September 2009. Gasket kit includes housing and vent gaskets. Consult Donaldson representative for optional O-Ring materials.
- 3 Viton® is a registered trademark of DuPont Performance Elastomers L.L.C.
- 4 Teflon® is a registered trademark of E. I. du Pont de Nemours and Company or its affiliates.

STEAM MANIFOLDS



Product Specifications	
Max. Operating Temperature	302 °F (150 °C)
Max. Operating Pressure	150 psig (10.3 barg) @ 302 °F (150 °C)
Max. Differential Pressure	Defer to element datasheets
Components	• Manometers from ASHCROFT • Isolation ball valves • Optional support stand
Internal Surface Finish [Ra]	Ra < 1.6 µm (< 64 µin); Culinary Ra < 0,8 µm (< 32 µin) After Final Filter
Materials	All product contact surfaces stainless steel EN 1.4404 (AISI 316L) or EN 1.4301 (AISI 304) Elastomers are made of EPDM or PTFE
Inlet/Outlet – Process Steam	ANSI 150 RF Flanges, 1/2 IN NPT Condensate Drains
Inlet/Outlet – Culinary Steam	ANSI 150 RF Inlet, Sanitary Tri-Clamp Outlet, 1/2 IN NPT Condensate Drains

Manifolds Capacities				
Line Size	Process Steam		Culinary Steam	
	Flow (lb/h) ¹	Flow (kg/h) ¹	Flow (lb/h) ¹	Flow (kg/h) ¹
3/4 IN	225	100	160	70
1 1/2 IN	600	275	600	275
2 IN	1000	450	800	360
3 IN	2000	900	2000	900
4 IN	5850	2650	5850	2650
6 IN	9250	4170	—	—

1 Capacities approximated using 50 psig (3.4 barg) system pressure

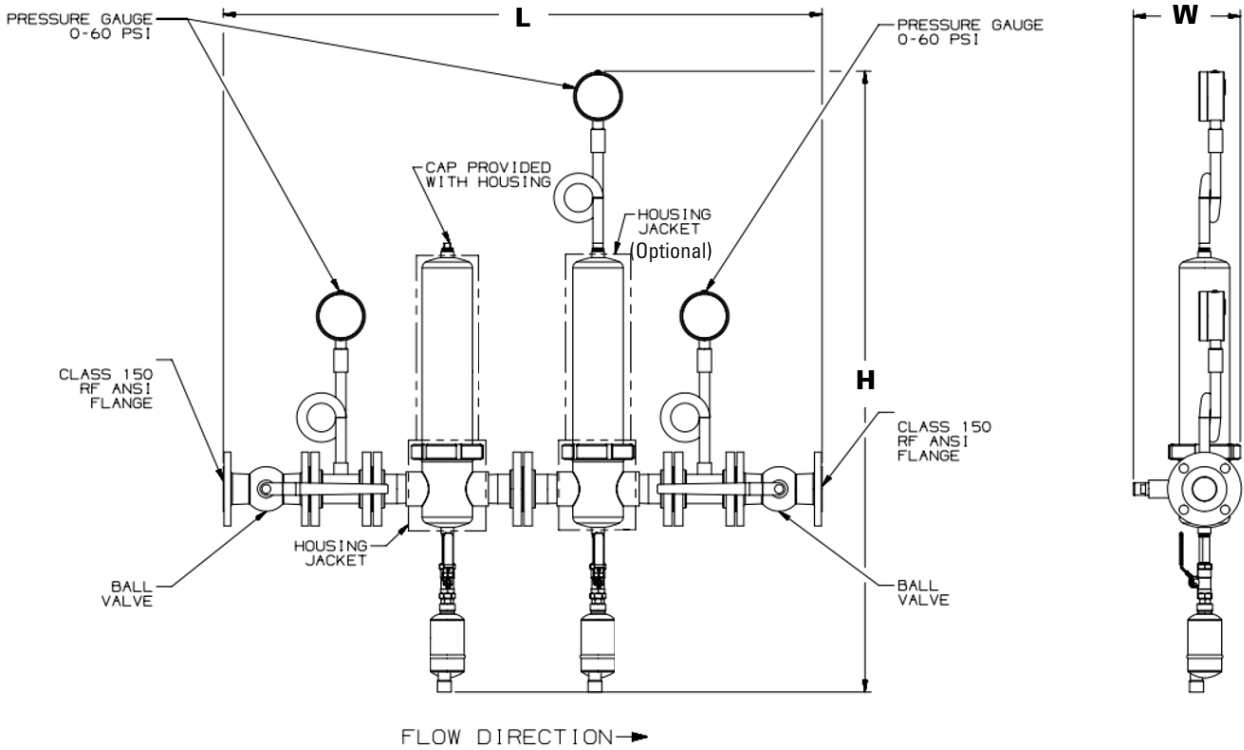
Typical Element Configuration			
Manifold	Stage 1	Stage 2	Meets 3-A Requirements ¹
Process Steam	25 µm P-GSL N	5 µm P-GS	No
Culinary Steam	25 µm P-GSL N	5 µm P-GSL N	Yes

1 3-A culinary steam guidelines require greater than 95% retention of particles 2 µm and larger (3-A Sanitary Standard 609-03)

Steam Filtration
Housings

Process Steam Manifolds

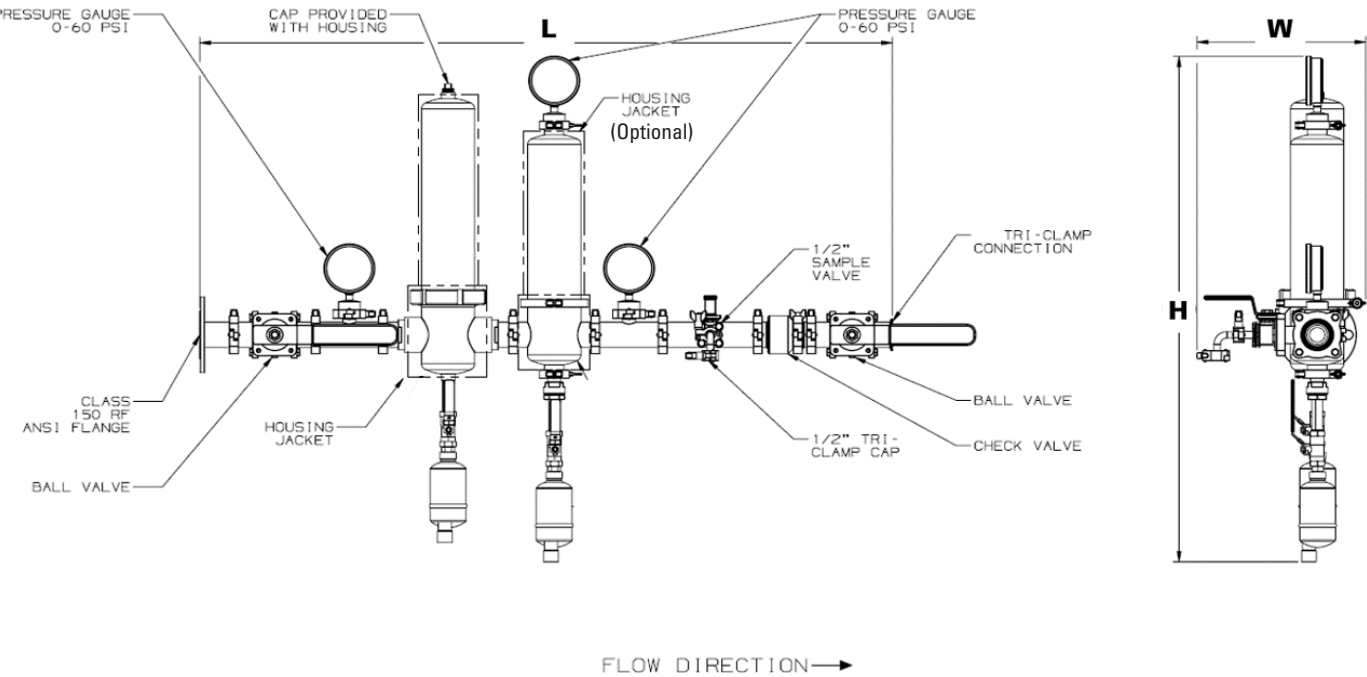
Process Steam Manifold Weights and Dimensions											
Line Size	Part Number	Element, QTY		Weight		Length		Width		Height	
		Stage 1	Stage 2	lb	kg	in	cm	in	cm	in	cm
3/4 IN	AG1350401	UF 05/20 Qty 1	UF 05/20 Qty 1	65	30	38	97	6	15	38	97
1 1/2 IN	AG1350501	UF 07/30 Qty 1	UF 07/30 Qty 1	130	60	45	114	8	20	42	107
2 IN	AG1350601	UF 15/30 Qty 1	UF 15/30 Qty 1	165	75	49	124	9	23	50	127
3 IN	AG1350701	UF 30/30 Qty 1	UF 30/30 Qty 1	320	145	66	168	11	28	67	170
4 IN	AG1350801	UF 30/30 Qty 3	UF 30/30 Qty 3	650	295	63	160	17	43	74	188
6 IN	AG1350901	UF 30/30 Qty 4	UF 30/30 Qty 4	1075	490	73	185	18	46	80	203



Culinary Steam Manifolds

Culinary Steam Manifolds Weights and Dimensions											
Line Size	Part Number	Element, QTY		Weight		Length		Width		Height	
		Stage 1	Stage 2	lb	kg	in	cm	in	cm	in	cm
3/4 IN	AG1325601	UF 05/20 Qty 1	UF 05/20 Qty 1	65	30	43	109	12	30	33	84
1 1/2 IN	AG1325701	UF 07/30 Qty 1	Code 7 05/30 Qty 1	120	55	52	132	12	30	35	89
2 IN	AG1326801	UF 15/30 Qty 1	Code 7 10/30 Qty 1	155	70	53	135	13	33	40	102
3 IN	AG1326901	UF 30/30 Qty 1	Code 7 30/30 Qty 1	385	175	69	175	13	33	61	155
4 IN	AG1327001	UF 30/30 Qty 3	UF 30/30 Qty 3	705	320	87	221	17	43	69	175

Steam Filtration Housings



P-GS SINTERED STAINLESS STEEL FILTER ELEMENTS

UF Push-in Welded End Connection

Model Number	Length (inches)	Diameter (inches)	LOW TEMP - TO 356°F				LOW TEMP - TO 356°F			
			Pore Size							
			Item Number¹	1 µm	5 µm²	25 µm	Item Number¹	1 µm	5 µm²	25 µm
P-GS 03/10 UF	3	1	1C235300	-01	-05	-25	1C235400	-01	-05	-25
P-GS 04/10 UF	4	1	1C235301	-01	-05	-25	1C235401	-01	-05	-25
P-GS 04/20 UF	4	2	1C235302	-01	-05	-25	1C235402	-01	-05	-25
P-GS 05/20 UF	5	2	1C235303	-01	-05	-25	1C235403	-01	-05	-25
P-GS 05/25 UF	5	2.5	1C235304	-01	-05	-25	1C235404	-01	-05	-25
P-GS 05/30 UF	5	3	1C235306	-01	-05	-25	1C235406	-01	-05	-25
P-GS 07/25 UF	7	2.5	1C235305	-01	-05	-25	1C235405	-01	-05	-25
P-GS 07/30 UF	7	3	1C235307	-01	-05	-25	1C235407	-01	-05	-25
P-GS 10/30 UF	10	3	1C235308	-01	-05	-25	1C235408	-01	-05	-25
P-GS 15/30 UF	15	3	1C235309	-01	-05	-25	1C235409	-01	-05	-25
P-GS 20/30 UF	20	3	1C235310	-01	-05	-25	1C235410	-01	-05	-25
P-GS 30/30 UF	30	3	1C235311	-01	-05	-25	1C235411	-01	-05	-25
P-GS 30/50 UF	30	5	1C235312	-01	-05	-25	1C235412	-01	-05	-25

Steam Filtration Elements

Code 7 Welded End Connection

Model Number	Length (inches)	Diameter (inches)	LOW TEMP - TO 356°F			
			Pore Size			
			Item Number ¹	1 µm	5 µm ²	25 µm
GS 05/3 Code 7	5	3	1C135336	-01	-05	-25
GS 10/3 Code 7	10	3	1C135338	-01	-05	-25
GS 20/3 Code 7	20	3	1C135340	-01	-05	-25
GS 30/3 Code 7	30	3	1C135341	-01	-05	-25

1 Combine micron rating with base part #; e.g. 5 µm P-GSL N 05/20 is 1C235033-05.
2 Culinary grade.

Spirax Sarco™ Replacement Elements

Spirax Sarco Model Number	Donaldson Model Number	Item Number
1/2" CSF 26	P-GS 1/2"	1C031856
3/4" CSF 26	P-GS 3/4"	1C031857
1" CSF 26	P-GS 1"	1C031858
1 1/2" CSF 26	P-GS 1-1/2"	1C031859
2" CSF 26	P-GS 2"	1C031860
2 1/2" CSF 26	P-GS 2-1/2"	1C031861
3" CSF 26	P-GS 3"	1C031862



Materials

Element O-Ring	EPDM (standard)
	For applications over 356°F, alternate O-Rings are required.
Media	316L SS
End Caps	304 SS

Product Selection¹

Model	Length/ Diameter (inches)	Micron	Connection	Gasket
P-GS	3/1	0.4	UF	EPDM
	4/1	0.8	Code 7 ³	Viton ^{®2}
	4/2	1		Silicone
	5/2	5		Fluoraz ^{®4}
	5/2.5	25		
	5/3			
	7/2.5			
	7/3			
	10/3			
	15/3			
	20/3			
	30/3			
	30/5			

1 If unable to find part number for desired combination, please contact your Donaldson representative for availability.
2 Viton[®] is a registered trademark of E. I. du Pont de Nemours and Company or its affiliates.
3 Only available in 3 inch diameters.
4 Fluoraz[®] is a registered trademark of Greene, Tweed & Co.
5 All trademarks belong to their respective owners

Drop-in Replacements

Manufacturer	Model
Parker Domnick Hunter	ZCHS
Parker Domnick Hunter	ZCSS
Parker Balston	200-75-SR
Pall	PSS
Pall	Rigimesh
RP Adams	Porocarbon
Spirax Sarco	CSF 26
Spirax Sarco	CSF 16

LIFETEC™ P-GSL N FILTER ELEMENTS

UF Push-in End Connection

Model Number	Item Number ¹	Length (inches)	Diameter (inches)	Pore Size					
				1 µm	5 µm	25 µm	50 µm	100 µm	250 µm
P- GSL N 03/10 UF	1C235030	3	1	-01	-05	-25	-50	-91	-93
P- GSL N 04/10 UF	1C235031	4	1	-01	-05	-25	-50	-91	-93
P- GSL N 04/20 UF	1C235032	4	2	-01	-05	-25	-50	-91	-93
P- GSL N 05/20 UF ²	1C235033	5	2	-01	-05	-25	-50	-91	-93
P- GSL N 05/30 UF	1C235034	5	3	-01	-05	-25	-50	-91	-93
P- GSL N 07/30 UF	1C235035	7	3	-01	-05	-25	-50	-91	-93
P- GSL N 10/30 UF	1C235036	10	3	-01	-05	-25	-50	-91	-93
P- GSL N 15/30 UF	1C235037	15	3	-01	-05	-25	-50	-91	-93
P- GSL N 20/30 UF	1C235038	20	3	-01	-05	-25	-50	-91	-93
P- GSL N 30/30 UF	1C235039	30	3	-01	-05	-25	-50	-91	-93

Code 7 End Connection

Model Number	Item Number ¹	Length (inches)	Diameter (inches)	Pore Size					
				1 µm	5 µm	25 µm	50 µm	100 µm	250 µm
GSL N 05/3 Code 7	1C235050	5	3	-01	-05	-25	-50	-91	-93
GSL N 10/3 Code 7	1C235052	10	3	-01	-05	-25	-50	-91	-93
GSL N 20/3 Code 7	1C235054	20	3	-01	-05	-25	-50	-91	-93
GSL N 30/3 Code 7	1C235055	30	3	-01	-05	-25	-50	-91	-93

Materials

Element O-Ring	EPDM for use up to 356°F (Alternate materials available upon request – reference page 50.)
Media	304 SS
Support Cage & End Caps	304 SS

Retention Rates

Gas & Steam Applications	Absolute
Liquid Applications	Nominal

Drop-in Replacements

Manufacturer	Model
Parker Domnick Hunter	ZCHS
Parker Domnick Hunter	ZCSS
Parker Balston	200-75-SR
Pall	PSS
Pall	Rigimesh
RP Adams	Porocarbon



Product Selection³

Model	Length/Diameter (inches)	Micron	Connection	Gasket
P-GSL N	3/1	1	UF	EPDM
	4/1	5	DOE	Viton ⁵
	4/2	25	Code 7 ⁷	Silicone
	5/2	50	Threaded UF	Fluoraz ⁶
	5/3	100	Trueseal	
	7/3	250	Jumbo	
	10/3		RP Adams	
	20/3			
	30/3			

1 Combine micron rating with base part #: e.g. 5 µm P-GSL N 05/20 is 1C235033-05.
2 The P-GSL N 05/20 can be used in housings that require a 05/25 and 07/25 element.
3 If unable to find part number for desired combination, please contact your Donaldson representative for availability.
4 Only available in 3 inch diameters.
5 Viton® is a registered trademark of E. I. du Pont de Nemours and Company or its affiliates.
6 Fluoraz® is a registered trademark of Greene, Tweed & Co
7 All trademarks belong to their respective owners.

O-RINGS FOR STEAM FILTRATION ELEMENTS

O-Rings¹

Element Connection	Element Model / Dimensions (mm)	Item# / Price			
		EPDM	Viton ^{®2}	Silicone	Fluoraz ^{®3}
UF Connection Element ¹	03/10 - 04/10 25 x 2.6	1C364120	1C362120	1C360120-AS	1C375101-AS
	04/20 - 07/25 30 x 3.5	1C364130	1C362130-AS	1C360130-AS	1C375102-AS
	05/30 - 40/30 52 x 3.5	1C364160	1C362160	1C360160-AS	1C375104-AS
	30/50 79 x 3.5	1C364240	NA	1C360240-AS	1C375105-AS
Code 2, 7 Connection Element ¹	05/30 - 40/30 52 x 3.5	1C364160	1C362158-AS	1C360156-AS	1C375104-AS
Double Open End ¹	10/30 - 40/30	1C359309-AS	1C359307-AS	NA	NA
Code 3, 8, 9 Connection Element ¹	05/30 - 40/30 38 x 3.5	1C364153-AS	1C363153-AS	1C360153-AS	NA

¹ Two seals are used on each element.

² Viton[®] is a registered trademark of E. I. du Pont de Nemours and Company or its affiliates.

³ Fluoraz[®] is a registered trademark of Greene, Tweed & Co.

PG-IL SANITARY IN-LINE FILTER HOUSINGS & ACCESSORIES

Tri-Clamp®5

CRN BPE   CE

Model Number	Gas Capacity ¹ (scfm)	Connection ² (Tri-Clamp®)	Dimensions (Inches)		Element ³ (Code 7 Connection)		Weight (lbs)	Item Number
			Length A	Width B	Size	Qty		
PG-IL 0005	215	1/2"	11.3	4.7	05/30	1	8.6	1C105890-01
PG-IL 0005	215	1"	11.3	4.7	05/30	1	8.7	1C105890-02
PG-IL 0005	215	1-1/2"	11.3	4.7	05/30	1	8.8	1C105890
PG-IL 0005	215	2"	11.3	4.7	05/30	1	8.9	1C105890-03
PG-IL 0010	322	1"	16.3	4.7	10/30	1	8.9	1C105891-01
PG-IL 0010	322	1-1/2"	16.3	4.7	10/30	1	9.1	1C105891
PG-IL 0010	322	2"	16.3	4.7	10/30	1	9.2	1C105891-02
PG-IL 0020	484	1"	26.3	4.7	20/30	1	11.9	1C105892-01
PG-IL 0020	484	1-1/2"	26.3	4.7	20/30	1	12.0	1C105892
PG-IL 0020	484	2"	26.3	4.7	20/30	1	12.1	1C105892-02
PG-IL 0030	548	1"	36.3	4.7	30/30	1	14.9	1C105893-01
PG-IL 0030	548	1-1/2"	36.3	4.7	30/30	1	15.0	1C105893
PG-IL 0030	548	2"	36.3	4.7	30/30	1	15.1	1C105893-02
PG-IL 0040	648	1"	44.3	4.7	40/30	1	17.2	1C105894-01
PG-IL 0040	648	1-1/2"	44.3	4.7	40/30	1	17.3	1C105894
PG-IL 0040	648	2"	44.3	4.7	40/30	1	17.4	1C105894-02

ANSI Flange

Model Number	Gas Capacity ¹ (scfm)	Connection (ANSI Flange)	Dimensions (Inches)		Element ³ (Code 7 Connection)		Weight (lbs)	Item Number
			Length A	Width B	Size	Qty		
PG-IL 0005	215	1/2"	11.3	4.7	05/30	1	10.6	1C105890-07
PG-IL 0005	215	1"	11.5	4.7	05/30	1	13.1	1C105890-08
PG-IL 0005	215	2"	11.7	4.7	05/30	1	18.5	1C105890-09
PG-IL 0010	322	1"	16.3	4.7	10/30	1	13.3	1C105891-05
PG-IL 0010	322	2"	16.5	4.7	10/30	1	20.0	1C105891-06
PG-IL 0020	484	1"	26.3	4.7	20/30	1	16.2	1C105892-05
PG-IL 0020	484	2"	26.5	4.7	20/30	1	23.2	1C105892-06
PG-IL 0030	548	1"	36.3	4.7	30/30	1	19.1	1C105893-09
PG-IL 0030	548	2"	36.5	4.7	30/30	1	26.2	1C105893-10
PG-IL 0040	648	1"	44.3	4.7	40/30	1	21.2	1C105894-09
PG-IL 0040	648	2"	44.5	4.7	40/30	1	28.6	1C105894-10

1 PG-IL capacity is based on 100 psig inlet pressure for gas and 68°F for liquid. To determine capacity at a given line pressure, multiply published value by correction factor.

2 Alternate connection sizes may be available upon request.

3 Select appropriate element type for your application (see element pages). PG-IL housings are designed for elements with Code 7 end style.

4 Tri-Clamp® is a registered trademark of Ladish Company.

Capacity Correction Factors for Gas Applications¹

Operating Pressure (psig)	15	30	45	60	75	90	100	115	130	150	160	175	190	200
Correction Factor	0.25	0.36	0.50	0.60	0.75	0.90	1.00	1.10	1.20	1.40	1.50	1.60	1.75	1.90

Materials

Filter Housing	316L SS standard; 304 SS optional
Housing Gasket	EPDM (other gaskets available upon request)

Surface Finish

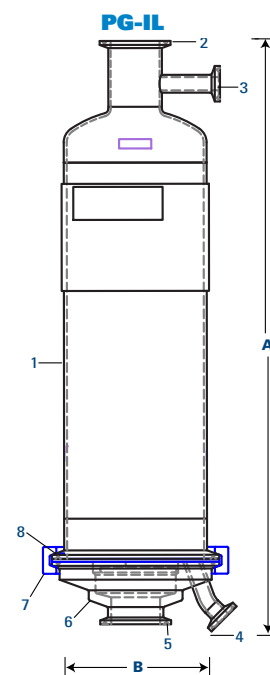
Inner	Electropolished to Ra 15
Outer	Electropolished to Ra 32

Maximum Operating Pressure & Temperature

150 psig @ 300°F

Connection TypesTri-Clamp^{®5}

No.	Description
1	Bowl
2	Inlet
3	Vent
4	Drain
5	Outlet
6	Head Assembly
7	Housing Clamp
8	Housing Gasket

**Certifications**

May be used in applications that require MTR, BPE, CRN or 3-A compliance.

1 PG-IL capacity is based on 100 psig inlet pressure for gas and 68°F for liquid. To determine capacity at a given line pressure, multiply published value by correction factor.

2 Alternate connection sizes may be available upon request.

3 Select appropriate element type for your application (see element pages).

PG-IL housings are designed for elements with Code 7 end style.

4 Tri-Clamp[®] is a registered trademark of Ladish Company.

**Product Selection¹**

Model	Material	Element Count	Element Length (inches)	Element Connection	Inlet/Outlet Connection Size (inches)	Inlet/Outlet Connection	Closure Style	Gasket Material	Certifications	Inner Finish
PG-IL	304 SS	1	10	Code 7	0.5	Tri-Clamp ^{®2}	Tri-Clamp [®]	EPDM	CRN	Electropolish
	316L SS		20		1.0	ANSI Flange		Silicone	3-A	
			30		1.5			PTFE	MTR	
			40		2.0				ASME	
					2.5				BPE	
					3.0				None	

1 If unable to find part number for desired combination, please contact your Donaldson representative for availability.

2 Tri-Clamp[®] is a registered trademark of Ladish Company.

Gaskets

Housing Model	Part Type	Material	Item Number	Qty per Package
PG-IL 0005-0040	Housing Gasket	EPDM	1C355509-AS	1
		Silicone	1C351028	1
		Teflon ^{®1}	1C354206	1
		Viton ^{®2}	1C353028	1

1 Teflon[®] is a registered trademark of E. I. du Pont de Nemours and Company or its affiliates.

2 Viton[®] is a registered trademark of DuPont Performance Elastomers, L.L.C.

P-EG FILTER HOUSINGS & ACCESSORIES

FNPT Housings – 304 SS

CRN⁵ MTR⁷

Model Number	Gas Capacity ¹ (scfm)	Connection (FNPT) (C)	Dimensions (inches)					Weight w/o Element (lbs)	Element ² Connection, Size & Qty	Item Number
			Height (A)	Width (±.125) (B)	ØD	Conn. Height (E)	Clearance (F)			
P-EG 0006	36	1/4"	8.15	4.13	2.76	2.00	4.25	4.0	UF, 03/10, Qty 1	AG1252538
P-EG 0009	54	3/8"	9.27	4.13	2.76	2.00	5.50	4.5	UF, 04/10, Qty 1	AG1252539
P-EG 0012	72	1/2"	9.27	4.25	2.76	2.00	5.50	4.5	UF, 04/20, Qty 1	AG1252540
P-EG 0018	108	3/4"	10.25	4.92	2.76	2.00	6.50	4.5	UF, 05/20, Qty 1	AG1252541
P-EG 0027	162	1"	11.26	4.92	3.35	2.72	6.50	6.0	UF, 05/25, Qty 1	AG1252542
P-EG 0036	216	1-1/4"	13.31	5.51	3.35	2.76	11.00	7.0	UF, 07/25, Qty 1	AG1252543
P-EG 0048	288	1-1/2"	14.91	6.69	4.09	3.60	11.50	9.0	UF, 07/30, Qty 1	AG1252544
P-EG 0072	480	2"	17.97	6.69	4.09	3.62	14.50	11.5	UF, 10/30, Qty 1	AG1252545
P-EG 0108	720	2"	22.89	6.69	4.09	3.60	19.50	12.5	UF, 15/30, Qty 1	AG1252546
P-EG 0144	960	2-1/2"	28.68	8.15	5.08	3.98	25.00	19.5	UF, 20/30, Qty 1	AG1252547
P-EG 0192	1,152	3"	38.96	8.15	5.08	4.11	35.00	24.5	UF, 30/30, Qty 1	AG1252548
P-EG 0288	1,960	3"	40.00	9.45	6.06	4.32	35.69	32.5	UF, 30/50, Qty 1	AG1252549

ANSI Flange Housings⁴ – 304 SS

ASME⁴ CRN⁶

Model Number	Gas Capacity ¹ (scfm)	Connection (ANSI) (C)	Dimensions (inches)					Weight w/o Element (lbs)	Element ² Connection, Size & Qty	Item Number
			Height (A)	Width (±.125) (B)	ØD	Conn. Height (E)	Clearance (F)			
P-EG 0027	162	1"	11.00	9.69	3.35	2.66	6.50	11.00	UF, 05/25, Qty 1	AG1252550
P-EG 0036	216	1-1/4"	13.31	10.02	3.35	2.76	8.50	14.00	UF, 07/25, Qty 1	AG1252551
P-EG 0048	288	1-1/2"	14.92	11.57	4.09	3.58	8.50	17.00	UF, 07/30, Qty 1	AG1252552
P-EG 0072	480	2"	17.89	11.69	4.09	3.60	11.50	22.00	UF, 10/30, Qty 1	AG1252553
P-EG 0108	720	2"	22.89	11.69	4.09	3.58	16.50	23.00	UF, 15/30, Qty 1	AG1252554
P-EG 0144	960	2-1/2"	28.59	13.02	5.08	3.94	21.50	33.00	UF, 20/30, Qty 1	AG1252555
P-EG 0192	1,152	3"	38.94	13.02	5.08	4.11	31.50	40.00	UF, 30/30, Qty 1	AG1252556
P-EG 0288	1,960	3"	40.02	14.95	6.06	4.34	32.50	52.00	UF, 30/50, Qty 1	AG1252557
P-EG 0432	2,880	4"	36.66	16.14	8.62	7.25	23.00	140.00	UF, 20/30, Qty 3	AG1254433
P-EG 0576	3,840	4"	46.66	16.14	8.62	7.25	33.00	183.00	UF, 30/30, Qty 3	AG1254434
P-EG 0768	4,992	6"	53.13	18.90	10.75	9.00	33.00	220.00	UF, 30/30, Qty 4	AG1254435
P-EG 1152	7,680	6"	54.79	21.26	12.75	8.82	33.00	338.00	UF, 30/30, Qty 6	AG1254436
P-EG 1536	9,984	8"	62.63	26.00	16.00	15.82	33.00	628.00	UF, 30/30, Qty 8	AG1254437
P-EG 1920	12,672	8"	60.50	25.98	16.00	13.87	33.00	628.00	UF, 30/30, Qty 10	AG1254438

1 Published capacity based on 100 psig inlet pressure for compressed gas and 50 psig for steam. To determine capacity at other operating pressures, multiply published value by correction factor. Capacities are general recommendations and may vary based on element selections, operating conditions, and allowable pressure losses.
2 P-EG housings are designed for elements with UF push-in end. See page 62 for element selection.
3 P-EG 0432-1920 are ASME code stamped.
4 CRN registration of P-EG 0006-0288 housings is available for all Canadian provinces. Consult your Donaldson representative for details.
5 CRN for 0432-1920 available upon request (P-EG 0432 AG1081301, P-EG 0576 AG1081401, P-EG 0768 AG1081501, P-EG 1152 AG1081601, P-EG 1536 AG1081701, P-EG 1920 AG1081801).
6 MTR available upon request.

Capacity Correction Factors for Gas Applications¹

Operating Pressure (psig)	15	30	45	60	75	90	100	115	130	150	160	175	190	200	220	230
Correction Factor	0.25	0.36	0.52	0.60	0.75	0.90	1.00	1.10	1.20	1.40	1.50	1.60	1.75	1.90	2.00	2.10

¹ Published capacity based on 100 psig inlet pressure for compressed gas and 50 psig for steam. To determine capacity at other operating pressures, multiply published value by correction factor. Capacities are general recommendations and may vary based on element selections, operating conditions, and allowable pressure losses.

Materials

Filter Housing	304 SS and 316L SS (on request)
Sealing Nut	304 SS
Plug	304 SS/PTFE Gasket
Housing Gasket	EPDM (For longer service life at higher temperatures, contact your Donaldson Representative for alternate gasket materials.)

Design Pressure and Temperature

FNPT Housings (0006-0192)	232 psig @ 392°F
FNPT Housing (0288)	174 psig @ 392°F
ANSI Flanged Housings (0027-0192)	232 psig @ 302°F
ANSI Flanged Housing (0288)	174 psig @ 302°F
ANSI Flanged Housings (0432-1920)	150 psig @ 450°F

Surface Finish

Inner	
P-EG 0006-0288	Pickled and passivated to Ra 63
P-EG 0432-1920	Bead blast
Outer	
P-EG 0006-0288	Pickled, passivated and polished to Ra 63
P-EG 0432-1920	Bead blast

Vent/Drain Connections

FNPT Housings (0006-0288)	Vent – ½" NPT
	Drain – ½" NPT
ANSI Flanged Housings (0027-0288)	Vent – ½" NPT
	Drain – ½" NPT
ANSI Flanged Housings (0432-1920)	Vent – ½" NPT
	Drain – ½" NPT

Connection Types¹

NPT thread connection (standard for P-EG 0006-0288 housings)

ANSI Flange (standard for P-EG 0432-1920; optional up to 0288)

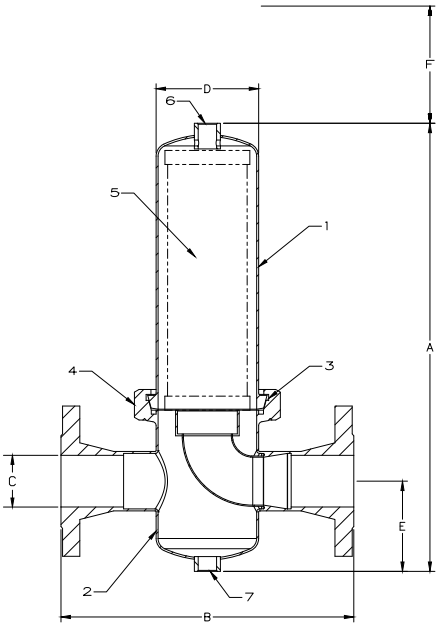
Welded Ends (optional)

¹ Other connections and larger housings available upon request.

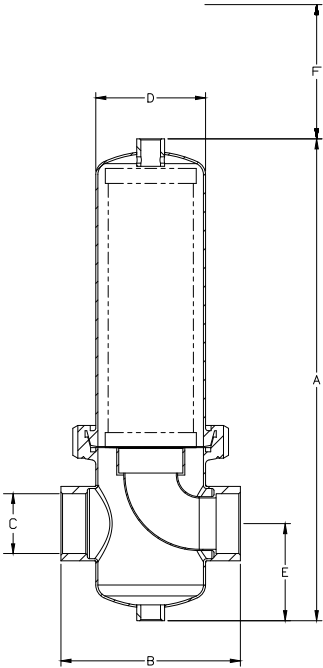


DID YOU KNOW? The Donaldson P-EG and PG-EG housings can be used for filtering air, gas and steam. If used in compressed air or gas coalescing applications, the housing must be inverted so the gas flows inside to out and moisture drains out of the bowl.

ANSI FLANGE



FNPT HOUSING



Product Selection¹

Model	Material	Element Count	Element Length (inches)	Element Connection	Inlet/Outlet Connection Size (inches)	Inlet/Outlet Connection	Closure Style	Gasket Material	Certifications	Inner Finish
P-EG	304 SS	1	10	UF	.25 - 10.0	ANSI	DIN 11851	EPDM	CRN	Pickled and Passivated
	316L SS	3	20	Code 7		FNPT	Flange	Silicone	ASME	Bead Blast
		4	30			MNPT		Buna	MTR	Electropolish
		6	40			Tri-Clamp ^{®2}		Viton ^{®3}		
		8				Weld		Teflon ^{®4} over Silicone		
		10						Fluoraz ^{®6}		

1 If unable to find part number for desired combination, please contact your Donaldson representative for availability.
2 Tri-Clamp[®] is a registered trademark of Ladish Company.
3 Viton[®] is registered trademarks of DuPont Performance Elastomers L.L.C.
4 Teflon[®] is a registered trademark of E. I. du Pont de Nemours and Company or its affiliates.
5 Fluoraz[®] is a registered trademark of Greene, Tweed & Co.

Housing Gaskets

Housing Model	Gasket Material	Item Number	Max Temp Air/Steam	Qty per Package
P-EG 0006-0018	EPDM	1C350138-AS	386°F	1
	Silicone	1C350102-AS	450°F	1
	Teflon ^{®1}	1C350126-AS	500°F	1
	Viton ^{®2}	1C350114-AS	400°F	1
	Fluoraz ^{®4}	1C350319-AS	450°F	1
P-EG 0027-0036	EPDM	1C350139-AS	386°F	1
	Silicone	1C350103-AS	450°F	1
	Teflon [®]	1C350127-AS	500°F	1
	Viton [®]	1C350115-AS	400°F	1
	Fluoraz [®]	1C350320-AS	450°F	1
P-EG 0048-0108	EPDM	1C350140-AS	386°F	1
	Silicone	1C350104-AS	450°F	1
	Teflon [®]	1C350128-AS	500°F	1
	Viton [®]	1C350116-AS	400°F	1
	Fluoraz [®]	1C350321-AS	450°F	1
P-EG 0144-0192	EPDM	1C350141-AS	386°F	1
	Silicone	1C350105-AS	450°F	1
	Teflon [®]	1C350129-AS	500°F	1
	Viton [®]	1C350117-AS	400°F	1
	Fluoraz [®]	1C350322-AS	450°F	1
P-EG 0288	EPDM	1C350142-AS	386°F	1
	Silicone	1C350106-AS	450°F	1
	Teflon [®]	1C350130-AS	500°F	1
	Viton [®]	1C350118-AS	400°F	1
	Fluoraz [®]	1C350323-AS	450°F	1
P-EG 0432-0576	EPDM	AG1226501	386°F	5
P-EG 0768	EPDM	AG1226502	386°F	2
P-EG 1152	EPDM	AG1226510	386°F	2
P-EG 1536-1920	EPDM	AG1226503	386°F	5

Plugs

Housing Model	Part Type	Material	Item Number
P-EG 0006-0288 ⁵	Vent Plug, 1/4" BSP	304SS	1C300038-AS
	Drain Plug, 1/4" NPT	304SS	1C105091
	Vent/Drain Gasket	PTFE	1C350192-AS
P-EG 0432-1920	Vent/Drain Plug, 1/2" NPT	304SS	1C105095

Housing Wrenches

Housing Model	Item Number
P-EG 0006-0108	1C300115-AS
P-EG 0144-0288	1C300116-AS

Spirax™ CSF 26 Housing O-Rings

Spirax Housing Model Number	O-Ring Size (AS568)	Item Number
CSF 26 1/2" & 3/4"	- 335	1C105902
CSF 26 1" - 2-1/2"	- 242	1C105904
CSF 26 3"	- 364	1C105905

1 Teflon[®] is a registered trademark of E. I. du Pont de Nemours and Company or its affiliates.2 Viton[®] is registered trademarks of DuPont Performance Elastomers L.L.C.3 Fluoraz[®] is a registered trademark of Greene, Tweed & Co.

4 Denotes that both the plug and plug gasket should be ordered together.

PG-EG SANITARY FILTER HOUSINGS & ACCESSORIES

Tri-Clamp® Housings – 3A Certified and BPE Compliant – 316L SS



Model Number	Gas Capacity¹ (SCFM)	Connection (Tri-Clamp®) (C)	Dimensions (inches)						Weight w/o Element (lbs)	Element	Item Number
			Height (A)	Width (±.125) (B)	ØD	Conn. Height (E)	Clearance (F)	Conn. OD (G)		Connection, Size & Qty	
PG-EG 0006	36	1/2"	8.95	4.72	2.76	2.53	5.05	.98	3.5	UF, 03/10, Qty 1	AG1252657
PG-EG 0018	108	3/4"	11.11	4.72	2.76	2.53	7.21	.98	4.0	UF, 05/20, Qty 1	AG1252658
PG-EG 0032	216	1"	14.49	6.38	4.10	3.13	9.21	1.98	8.5	Code 7, 05/30, Qty 1	AG1252659
PG-EG 0072	432	2"	19.72	6.38	4.10	3.09	14.48	2.52	10.0	Code 7, 10/30, Qty 1	AG1252660
PG-EG 0144	864	2-1/2"	30.44	8.11	4.10	3.68	24.02	3.05	13.0	Code 7, 20/30, Qty 1	AG1252661
PG-EG 0192	1,296	3"	40.28	8.11	4.10	3.72	33.82	3.58	17.0	Code 7, 30/30, Qty 1	AG1252662

ANSI Flange Housings³ – 316L SS

MTR⁵ CRN ASME

Model Number	Gas Capacity¹ (SCFM)	Connection (ANSI) (C)	Dimensions (inches)					Weight w/o Element (lbs)	Element	Item Number
			Height (A)	Width (±.125) (B)	ØD	Conn. Height (E)	Clearance (F)		Connection, Size & Qty	
PG-EG 0432	2,880	4"	36.49	16.14	8.62	7.17	23.25	140	UF, 20/30, Qty 3	AG1373101
PG-EG 0576	3,840	4"	46.49	16.14	8.62	7.17	33.25	183	UF, 30/30, Qty 3	AG1373201
PG-EG 0768	4,992	6"	51.41	18.90	10.75	8.15	34.50	220	UF, 30/30, Qty 4	AG1373301
PG-EG 1152	7,680	6"	54.02	21.26	12.75	8.92	36.50	338	UF, 30/30, Qty 6	AG1373401
PG-EG 1536	9,984	8"	61.03	25.98	16.0	15.02	35.50	628	UF, 30/30, Qty 8	AG1373501
PG-EG 1920	12,672	8"	57.19	25.98	16.0	11.41	35.50	628	UF, 30/30, Qty 10	AG1373601

Sanitary Drains

Item Number	Inlet/Outlet	Material
AG1253941	1/2" Tri-Clamp®	304 SS
AG1253942	1-1/2" Tri-Clamp®	304 SS

1 Published capacity based on 100 psig inlet pressure for compressed gas and 50 psig for steam. To determine capacity at other operating pressures, multiply published value by correction factor. Capacities are general recommendations and may vary based on element selections, operating conditions, and allowable pressure losses.

2 All ANSI flange housings are designed and built to ASME code and are stamped accordingly. The ANSI flange housings are not 3-A Certified.

3 Tri-Clamp® is a registered trademark of Ladish Company.

4 MTR available upon request.

5 CRN for 0432-1930 available upon request (PG-EG 0432 AG1083101, PG-EG 0576 AG1083201, PG-EG 0768 AG1083301, PG-EG 1152 AG1083401, PG-EG 1536 AG1083501, PG-EG 1920 AG1083601).



Capacity Correction Factors for Gas Applications¹

Operating Pressure (psig)	15	30	45	60	75	90	100	115	130	150	160	175	190	200	220	230
Correction Factor	0.25	0.36	0.52	0.60	0.75	0.90	1.00	1.10	1.20	1.40	1.50	1.60	1.75	1.90	2.00	2.10

1 Published capacity based on 100 psig inlet pressure for compressed gas and 50 psig for steam. To determine capacity at other operating pressures, multiply published value by correction factor. Capacities are general recommendations and may vary based on element selections, operating conditions, and allowable pressure losses.

Materials

Filter Housing	316L SS
Body Tri-Clamp ^{®1}	304 SS
Vent and Drain Caps	316L SS
Housing Gasket	EPDM (For longer service life at higher temperatures, contact your Donaldson representative for alternate gasket materials.)

1 Tri-Clamp[®] is a registered trademark of Ladish Company.

Vent/Drain Connections

PG-EG 0006-0018	1/2" Tri-Clamp [®] vent and drain. Ports equipped with blind caps.
PG-EG 0032-0192	1 1/2 Tri-Clamp [®] vent and drain. Ports equipped with blind caps.
PG-EG 0432-1920	1/2" Tri-Clamp [®] vent and drain. Ports equipped with blind caps.

Surface Finish – Inner and Outer

PG-EG 0006-0192	Electropolished to Ra 32, Int. Surface Finish RA 15, BPE SF 4
PG-EG 0432-1920	Nitric passivated to Ra 32

3A Certified and BPE Compliant

PG-EG 0006-0192	3A Certified and BPE compliant
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Design Pressure and Temperature

Tri-Clamp [®] Housings	232 psig @ 392°F
ANSI Flange Housings	150 psig @ 450°F

Standard Connection Types¹

Tri-Clamp [®] (up to PG-EG 0192)
ANSI Flange (PG-EG 0432 and up)
Welded End (optional)

1 Other connection and larger housings available upon request.

Product Selection¹

Model	Material	Element Count	Element Length (inches)	Element Connection	Inlet/Outlet Connection Size (inches)	Inlet/Outlet Connection	Closure Style	Gasket Material	Certifications	Inner Finish
PG-EG	304 SS	1	10	UF	.5 - 8.0	Tri-Clamp ^{®2}	Tri-Clamp [®]	EPDM	3-A	Pickled and Passivated
	316L SS	3	20	Code 2		Weld	Flange	Silicone	ASME	Bead Blast
		4	30	Code 7		ANSI		Buna	CRN	Electropolish
		6	40					Viton ^{®3}	MTR	
		8						Teflon ^{®4} over Silicone		
		10								

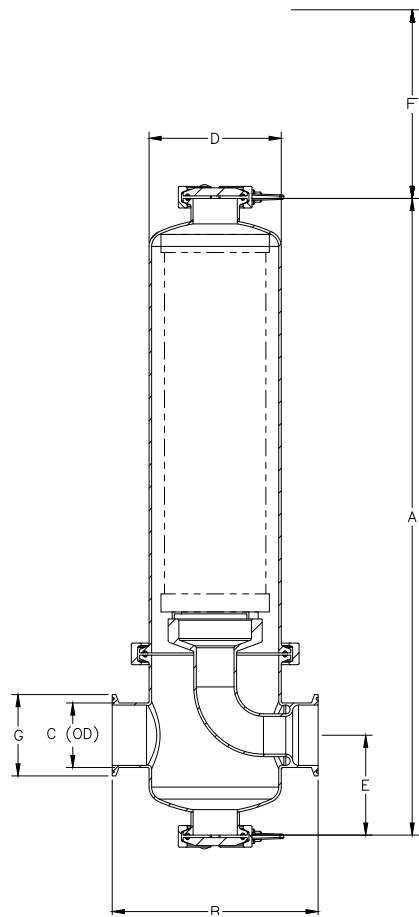
1 If unable to find part number for desired combination, please contact your Donaldson representative for availability.

2 Tri-Clamp[®] is a registered trademark of Ladish Company.

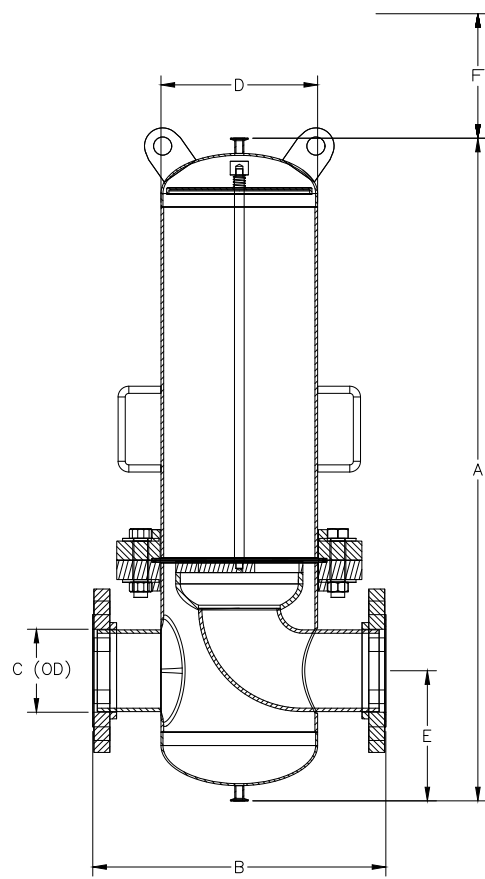
3 Viton[®] is a registered trademark of DuPont Performance Elastomers L.L.C.

4 Teflon[®] is a registered trademark of E. I. du Pont de Nemours and Company or its affiliates.

TRI-CLAMP® CONNECTION



ANSI FLANGE CONNECTION



Gaskets – Housings built after 2009²

Housing Model	Part Type	Material	Item Number	Qty per Package
PG-EG 0006-0018	Housing Gasket	EPDM	1C355508-AS	1
	Housing Gasket	Silicone	1C351001-AS	1
	Housing Gasket	Viton®	1C353001-AS	1
	Housing Gasket	Teflon®	1C354201-AS	1
	Vent Gasket	EPDM	1C355515-AS	1
PG-EG 0032-0192	Housing Gasket	EPDM	1C355509-AS	1
	Housing Gasket	Silicone	1C351028-AS	1
	Housing Gasket	Teflon®	1C354206-AS	1
	Housing Gasket	Viton®	1C353028-AS	1
	Vent Gasket	EPDM	1C355510-AS	1
PG-EG 0432	Housing Gasket	EPDM	AG1226501	5
PG-EG 0576	Housing Gasket	EPDM	AG1226501	5
PG-EG 0768	Housing Gasket	EPDM	AG1226502	2
PG-EG 1152	Housing Gasket	EPDM	AG1226510	2
PG-EG 1536	Housing Gasket	EPDM	AG1226503	2
PG-EG 1920	Housing Gasket	EPDM	AG1226503	2

Pharma Valves

Housing Model	Part Type	Material	Item Number	Qty per Package
PG-EG 0006-0018	1/8" BSP Straight Pharma Valve with O-Ring	316 SS Valve & EPDM O-Ring	1C310601-AS	1
PG-EG 0032-0192	1/4" BSP Straight Pharma Valve with O-Ring	316 SS Valve & EPDM O-Ring	1C310605-AS	1

Pharma Plugs

Housing Model	Part Type	Material	Item Number	Qty per Package
PG-EG 0006-0018	1/8" BSP Straight Pharma Plug with O-Ring	316 SS Plug & EPDM O-Ring	1C310901-AS	1
PG-EG 0032-0192	1/4" BSP Straight Pharma Plug with O-Ring	316 SS Plug & EPDM O-Ring	1C310905-AS	1

Clamps

Housing Model	Part Type	Material	Item Number	Qty per Package
PG-EG 0006-0018	Body Clamp	316 SS	1C312001-AS	1
	Housing Inlet/Outlet Clamp	316 SS	1C311910-AS	1
	Housing Vent Clamp	316 SS	1C311910-AS	1
PG-EG 0032-0192	Housing Vent Clamp	316 SS	1C311916-AS	1
PG-EG 0032-0192 built before 2009	Body Clamp	316 SS	1C312007-AS	1
PG-EG 0032-0192 built after 2009	Body Clamp	316 SS	1C312006-AS	1
PG-EG 0032	Housing Inlet/Outlet Clamp	316 SS	1C311916-AS	1
PG-EG 0072	Housing Inlet/Outlet Clamp	316 SS	1C311924-AS	1
PG-EG 0144	Housing Inlet/Outlet Clamp	316 SS	1C311932-AS	1
PG-EG 0192	Housing Inlet/Outlet Clamp	316 SS	1C312001-AS	1

1 Use with PG-EG housing that were built before September 2009 - item numbers that begin with 1C0760 and 1C07620 and old-style PF-EG housing item numbers that begin with 1C0732.

2 Use with PG-EG 3A housings built after September 2009. Gasket kit includes housing and vent gaskets. Consult Donaldson representative for optional O-Ring materials.

3 Viton® is a registered trademark of DuPont Performance Elastomers L.L.C.

4 Teflon® is a registered trademark of E. I. du Pont de Nemours and Company or its affiliates.

P-BE SANITARY TANK VENT FILTER HOUSINGS

Tri-Clamp®⁴ Housings – 316L SS

MTR⁶

Model Number	Connection (Tri-Clamp®) (C)	Capacity ¹ (scfm)	Capacity ² (gpm)	Dimensions (inches)					Element	Weight (lbs)	Item Number
				Height (A)	Width (B)	Connection Pipe OD (C)	Clearance Height (D)	Connection Flange (E)			
P-BE 0006	1-1/2"	10	75	4.65	3.35	1.5	3.5	1.99	03/10, UF, Qty 1	3.0	AG1252829
P-BE 0027	1-1/2"	16	120	6.99	4.09	1.5	5.5	1.99	05/25, UF, Qty 1	4.5	AG1252830
P-BE 0032	2"	24	180	7.89	4.50	2.0	6.5	2.52	05/30, UF, Qty 1	5.0	AG1252831
P-BE 0072	2"	49	365	12.46	4.50	2.0	11.5	2.52	10/30, UF, Qty 1	6.5	AG1252832
P-BE 0144	3"	102	765	21.77	5.08	3.0	20.5	3.58	20/30, UF, Qty 1	11.5	AG1252833
P-BE 0192	3"	152	1,140	31.81	5.08	3.0	30.5	3.58	30/30, UF, Qty 1	15.0	AG1252834

ANSI Flange Housings – 316L SS

MTR⁶

Model Number	Connection (ANSI) (C)	Capacity ¹ (scfm)	Capacity ² (gpm)	Dimensions (inches)					Element	Weight (lbs)	Item Number
				Height (A)	Width (B)	Connection Pipe OD (C)	Clearance Height (D)	Connection Flange OD (E)			
P-BE 0006	1"	10	75	6.36	3.35	1.0	3.5	4.25	03/10, UF, Qty 1	4.5	AG1252835
P-BE 0027	1-1/2"	16	120	8.78	4.09	1.5	5.5	5.00	05/25, UF, Qty 1	7.5	AG1252836
P-BE 0032	1-1/2"	24	180	9.29	4.50	1.5	6.5	5.00	05/30, UF, Qty 1	8.0	AG1252837
P-BE 0072	2"	48	365	14.11	4.50	2.0	11.5	6.00	10/30, UF, Qty 1	18.0	AG1252838
P-BE 0144	2-1/2"	102	765	23.67	5.08	2.5	20.5	7.00	20/30, UF, Qty 1	20.5	AG1252839
P-BE 0192	2-1/2"	152	1,140	33.71	5.08	2.5	20.5	7.00	30/30, UF, Qty 1	24.0	AG1252840
P-BE 0432	4"	247	1,850	29.00	8.70	4.0	23.0	9.00	20/30, UF, Qty 3	41.0	1C099413
P-BE 0576	4"	371	2,780	39.00	8.70	4.0	33.0	9.00	30/30, UF, Qty 3	46.0	1C101574
P-BE 0768	6"	494	3,700	39.00	10.80	6.0	33.0	11.00	30/30, UF, Qty 4	50.0	1C102966
P-BE 1152	6"	742	5,565	39.00	12.80	6.0	33.0	11.00	30/30, UF, Qty 6	79.0	1C102719
P-BE 1536	8"	989	7,420	39.00	15.50	8.0	33.0	13.50	30/30, UF, Qty 8	88.0	CDR ⁵
P-BE 1920	8"	1,183	8,870	39.00	15.50	8.0	33.0	13.50	30/30, UF, Qty 10	111.0	1C644172

1 Capacity based on P-SRFV filter element at 14.7 psia, Δp = 0.6 psid.

2 Capacity are estimates; contact your Donaldson representative for sizing recommendations.

3 Tri-Clamp® is a registered trademark of Ladish Company.

4 Contact your Donaldson Representative (CDR) for more information.

5 MTRs available upon request for models 0006-0192.

Note: Vent should not be substituted for burst disk.



Materials

Filter Housing	Models 0006-0192: 316L SS (304 SS optional) Models 0432-1920: 304 SS (316L SS optional)
Attachment Parts	304 SS

Surface Finish – Inner and Outer

Polished to Ra 63

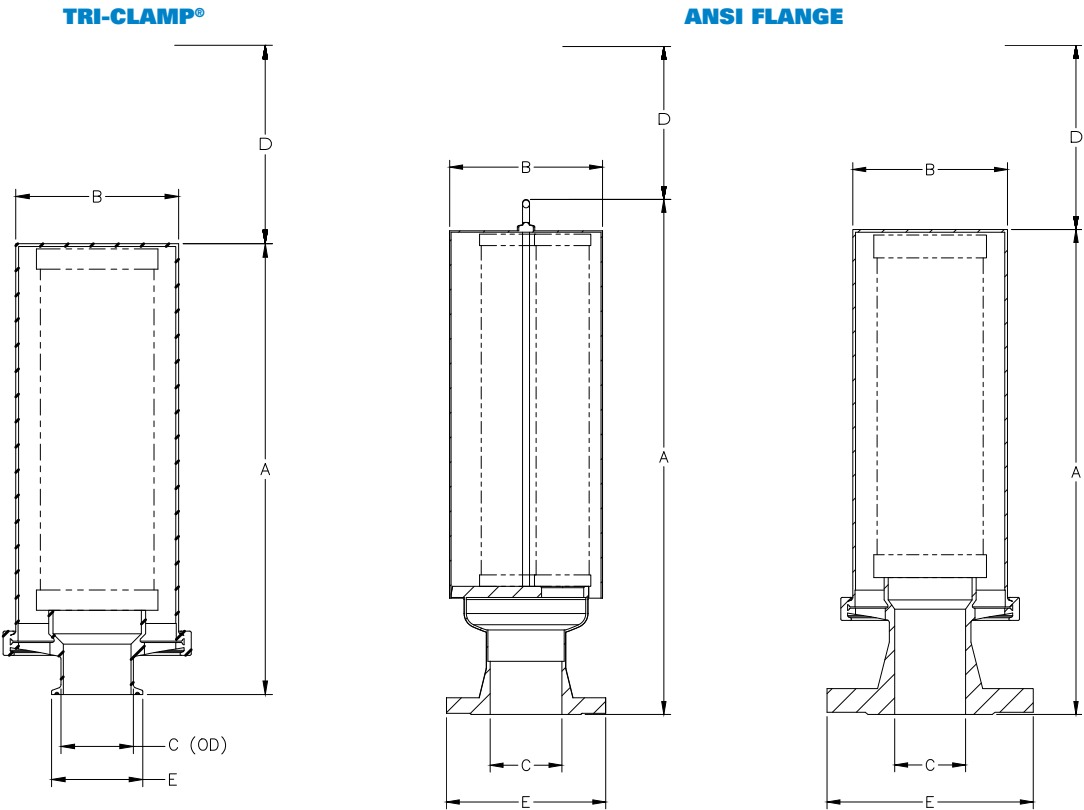
Maximum Operating Temperature

390°F

Connection Types¹

Models 0006-0192	Tri-Clamp ^{®2} or ANSI Flange
Models 0432-1920	ANSI Flange

1 Alternate connection sizes may be available upon request.
2 Tri-Clamp[®] is a registered trademark of Ladish Company.



Product Selection¹

Model	Material	Element Count	Element Length (inches)	Element Connection	Inlet/Outlet Connection Size (inches)	Inlet/Outlet Connection	Gasket Material	Inner Finish
P-BE	304 SS	1	10	UF	1.5 - 8.0	Tri-Clamp [®]	EPDM	Electropolish
	316L SS	3	20			ANSI		Mechanical polish
		4	30					
		6	40					
		8						
		10						

1 If unable to find part number for desired combination, please contact your Donaldson representative for availability.

P-SRF STERILE DEPTH FILTER ELEMENTS

UF Push-in End Connection

Model Number	Length (inches)	Diameter (inches)	Efficiency (0.2 µm)	Item Number
P-SRF 03/10 UF	3	1	≥ 99.99998%	1C224317
P-SRF 04/10 UF	4	1	≥ 99.99998%	1C224321
P-SRF 04/20 UF	4	2	≥ 99.99998%	1C224324
P-SRF 05/20 UF	5	2	≥ 99.99998%	1C224332
P-SRF 05/25 UF	5	2.5	≥ 99.99998%	1C224340
P-SRF 05/30 UF	5	3	≥ 99.99998%	1C224352
P-SRF 07/25 UF	7	2.5	≥ 99.99998%	1C224348
P-SRF 07/30 UF	7	3	≥ 99.99998%	1C224356
P-SRF 10/30 UF	10	3	≥ 99.99998%	1C224364
P-SRF 15/30 UF	15	3	≥ 99.99998%	1C224372
P-SRF 20/30 UF	20	3	≥ 99.99998%	1C224380
P-SRF 30/30 UF	30	3	≥ 99.99998%	1C224388
P-SRF 30/50 UF	30	5	≥ 99.99998%	1C224396

Code 7 End Connection

Model Number	Length (inches)	Diameter (inches)	Efficiency (0.2 µm)	Item Number
SRF 05/3 Code 7	5	3	≥ 99.99998%	1C212121
SRF 10/3 Code 7	10	3	≥ 99.99998%	1C212109
SRF 20/3 Code 7	20	3	≥ 99.99998%	1C212111
SRF 30/3 Code 7	30	3	≥ 99.99998%	1C212113

DID YOU KNOW? *The P-SRF can be steam sterilized to lengthen the service intervals.*



Steam Sterilizable

Materials

Element O-Ring	Silicone (alternate materials available upon request-reference page 78)
Media	Borosilicate/PTFE
Support Cage & End Caps	304 SS

Product Selection¹

Model	Length/ Diameter (inches)	Micron	Element Connection	Gasket Material
P-SRF	3/1	0.2	UF	Silicone
	4/1		Code 7 ³	
	4/2			
	5/2			
	5/2.5			
	5/3			
	7/2.5			
	7/3			
	10/3			
	15/3			
	20/3			
	30/3			
	30/5			

¹ If unable to find part number for desired combination, please contact your Donaldson representative for availability.

² Only available in 5/2.5, 15/3 and 30/3 dimensions.

³ Only available in 3 inch diameters.

Drop-in Replacements

Manufacturer	Model
Parker Domnick Hunter	HF Bio X
Parker Domnick Hunter	Bio X II
Parker Zander	ST-R
Meissner	Protec RF
Millipore	Polygard CE
Millipore	Bevigard

¹ All trademarks belong to their respective owners

LIFETEC™ P-SRF V STERILE PLEATED DEPTH FILTER ELEMENTS

UF Push-in End Connection

Model Number	Length (inches)	Diameter (inches)	Efficiency (0.2 µm)	Item Number
P-SRF V 03/10 UF	3	1	99.99999995	1C224116
P-SRF V 04/10 UF	4	1	99.99999995	1C224120
P-SRF V 04/20 UF	4	2	99.99999995	1C224124
P-SRF V 05/20 UF	5	2	99.99999995	1C224132
P-SRF V 05/25 UF	5	2.5	99.99999995	1C224140
P-SRF V 07/25 UF	7	2.5	99.99999995	1C224148
P-SRF V 05/30 UF	5	3	99.99999995	1C224152
P-SRF V 07/30 UF	7	3	99.99999995	1C224156
P-SRF V 10/30 UF	10	3	99.99999995	1C224164
P-SRF V 15/30 UF	15	3	99.99999995	1C224172
P-SRF V 20/30 UF	20	3	99.99999995	1C224180
P-SRF V 30/30 UF	30	3	99.99999995	1C224188
P-SRF V 30/50 UF	30	5	99.99999995	1C224196

Code 7 End Connection

Model Number	Length (inches)	Diameter (inches)	Efficiency (0.2 µm)	Item Number
SRF V 05/3 Code 7	5	3	99.99999995	1C224154
SRF V 10/3 Code 7	10	3	99.99999995	1C224174
SRF V 20/3 Code 7	20	3	99.99999995	1C224182
SRF V 30/3 Code 7	30	3	99.99999995	1C224190

Product Selection¹

Model	Length/ Diameter (inches)	Micron	Element Connection	Gasket Material
P-SRF V	3/1	0.2	UF	Silicone
	4/1		Threaded UF ²	
	4/2		Code 7 ³	
	5/2		True seal	
	5/2.5			
	5/3			
	7/2.5			
	7/3			
	10/3			
	15/3			
	20/3			
	30/3			
	30/5			

1 If unable to find part number for desired combination, please contact your Donaldson representative for availability.

2 Only available in 5/2.5, 15/3 and 30/3 dimensions.

3 Only available in 3 inch diameters.

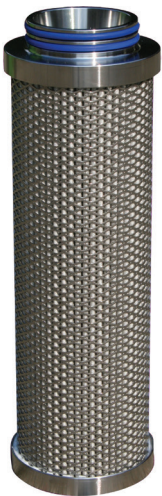
Materials

Element O-Ring	Silicone (alternate materials available upon request-reference page 78)
Media	Borosilicate/PTFE
Support Cage & End Caps	304 SS

Drop-in Replacements

Manufacturer	Model
Parker Domnick Hunter	HF Bio X
Parker Domnick Hunter	Bio X II
Parker Zander	ST-R
Meissner	Protec RF
Millipore	Polygard CE
Millipore	Bevigard

1 All trademarks belong to their respective owners



Steam Sterilizable

DID YOU KNOW? *The LifeTec™ P-SRF V Filter is a direct replacement for LifeTec™ P-SRF N Filter.*

LIFETEC™ P-SRF X STERILE PLEATED MEMBRANE FILTER ELEMENTS

UF Push-in End Connection

Model Number	Length (inches)	Diameter (inches)	Efficiency (0.2 µm)	Item Number
P-SRF X 03/10 UF	3	1	99.9999999	1C224516
P-SRF X 04/10 UF	4	1	99.9999999	1C224520
P-SRF X 04/20 UF	4	2	99.9999999	1C224524
P-SRF X 05/20 UF	5	2	99.9999999	1C224532
P-SRF X 05/25 UF	5	2.5	99.9999999	1C224540
P-SRF X 07/25 UF	7	2.5	99.9999999	1C224548
P-SRF X 05/30 UF	5	3	99.9999999	1C224552
P-SRF X 07/30 UF	7	3	99.9999999	1C224556
P-SRF X 10/30 UF	10	3	99.9999999	1C224564
P-SRF X 15/30 UF	15	3	99.9999999	1C224572
P-SRF X 20/30 UF	20	3	99.9999999	1C224580
P-SRF X 30/30 UF	30	3	99.9999999	1C224588

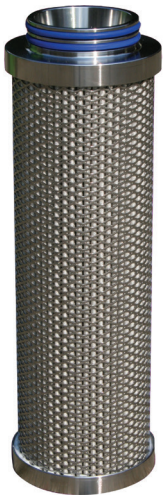
Code 7 End Connection

Model Number	Length (inches)	Diameter (inches)	Efficiency (0.2 µm)	Item Number
SRF X 05/3 Code 7	5	3	99.9999999	1C224554
SRF X 10/3 Code 7	10	3	99.9999999	1C224574
SRF X 20/3 Code 7	20	3	99.9999999	1C224582
SRF X 30/3 Code 7	30	3	99.9999999	1C224590

Materials

Element O-Ring	Silicone (alternate materials available upon request-reference page 78)
Media	PTFE
Support Cage & End Caps	304 SS

DID YOU KNOW? *The LifeTec™ P-SRF X Filter is rated for up to 250 sterilization cycles.*



Steam Sterilizable

Process Compressed Air Elements

Product Selection¹

Model	Length/ Diameter (inches)	Micron	Element Connection	Gasket Material
P-SRF X	3/1	0.2	UF	Silicone
	4/1		Threaded UF²	
	4/2		Code 7³	
	5/2		Trueseal	
	5/2.5			
	5/3			
	7/2.5			
	7/3			
	10/3			
	15/3			
	20/3			
	30/3			
	30/5			

1 If unable to find part number for desired combination, please contact your Donaldson representative for availability.
2 Only available in 5/2.5, 15/3 and 30/3 dimensions.
3 Only available in 3 inch diameters.

Drop-in Replacements

Manufacturer	Model
Parker Domnick Hunter	Tetpor
Parker Domnick Hunter	Chemmflow
Parker Domnick Hunter	Proflow
Parker Domnick Hunter	Fluoroflow
Pall	Emflon
Pall	Ultipleat
Pall	Varafine
Pall	Fluoryte
Pall	Ultikleen
3M Cuno	LifeASSURE
GE	Memtrex FE
GE	Memtrex HFE
Sartorius	Aerosart
Sartorius	Sartofluor
Meissner	Ultradyn
Graver	TefTEC
Entegris	Fluorogard

1 All trademarks belong to their respective owners

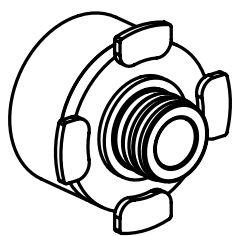
PF-PT T JUNIOR STERILE AIR FILTER ELEMENTS

Part Number	Product Description	EFA (per 5" Element)	Diameter	Length
1C220140-82	Element, PF-PT T, 5/3, Code 2, 0.2 MIC, Silicone	0.37m ² (3.9ft ²)	2.8" (70mm)	5.35" (136mm)
1C220602-82	Element, PF-PT T Junior, 5/1.5, Push-in Connection with Inner O-Ring, 0.2 MIC, Silicone, MCY4463	0.19m ² (2.05ft ²)	2.2" (56mm)	5.35" (136mm)
1C220603-82	Element, PF-PT T Junior, 2.5/1.5, Push-in Connection with Inner O-Ring, 0.2 MIC, Silicone, MCY2230	0.19m ² (2.05ft ²)	2.2" (56mm)	3.07" (78mm)
1C220609-82	Element, PF-PT T, 2.5/1.5, Moulded Flange Seal, 0.2 MIC, SLK7001	0.19m ² (2.05ft ²)	2.2" (56mm)	3.05" (77.5mm)
1C220612-82	Element, PF-PT T, 5/1.5, Moulded Flange Seal, 0.2 MIC, SLK7002	0.19m ² (2.05ft ²)	2.2" (56mm)	5.34" (135.5mm)
1C220615-82	Element, PF-PT T Junior, 5/1.5, Plug Connection with 4 Locking Tabs, 0.2 MIC, Silicone, MCY4440	0.19m ² (2.05ft ²)	2.2" (56mm)	5.63" (143mm)
1C220617-82	Element, PF-PT T, 3/2, Plug Connection with 4 Locking Tabs, 0.2 MIC, Silicone, MCY3330	0.19m ² (2.05ft ²)	2.2" (56mm)	3.35" (85mm)

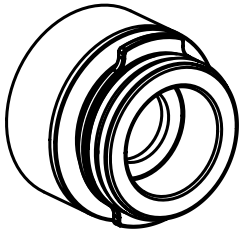
Materials	
Membrane	ePTFE
Upstream Support	Polypropylene
Downstream Support	Polypropylene
Drainage Layer	Polypropylene
Core	Polypropylene
Outer Guard	Polypropylene
O-Rings	Silicone
Sealing Method	Thermal Bonding
Internal Adaptor Support Ring	Stainless Steel (463 & 2230)



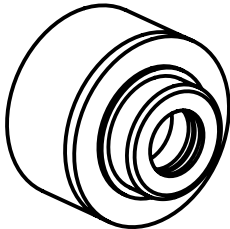
Process Compressed Air Elements



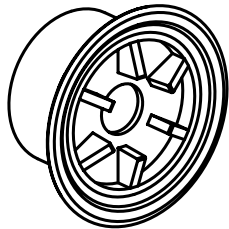
MCY 3330 & 4440



Code 2



MCY 2230 & 4463



Sealkleen™

LIFETEC™ PT N ABSOLUTE MEMBRANE FILTER ELEMENTS

UF Push-in End Connection with Integrated Support

Model Number	Length (inches)	Diameter (inches)	Micron Rating¹	Efficiency	Item Number
PT N UF 10/30 0.2 µm	10	3	0.2	Absolute	1C230181-82
PT N UF 20/30 0.2 µm	20	3	0.2	Absolute	1C230182-82
PT N UF 30/30 0.2 µm	30	3	0.2	Absolute	1C230183-82

Code 7 End Connection with Integrated Support

Model Number	Length (inches)	Diameter (inches)	Micron Rating¹	Efficiency	Item Number
PT N Code 7 10/30 0.2 µm	10	3	0.2	Absolute	1C230151-82
PT N Code 7 20/30 0.2 µm	20	3	0.2	Absolute	1C230152-82
PT N Code 7 30/30 0.2 µm	30	3	0.2	Absolute	1C230153-82

¹ Contact your Donaldson representative for other micron ratings.

Materials

	Material	CFR Title 21
O-Ring	EPDM	177.2600
Media	PTFE Tetratex®	177.1550
Support Cage & End Caps	Polypropylene	177.1520

Retention (According to HIMA Challenge per ASTM)

Filter Grade	Microorganism	LRV / cm²
0.2 µm	Serratia Marcescens Brevundimonas diminuta	> 7 > 7

Product Selection¹

Model	Length/Diameter (inches)	Micron	Connection	Gasket
PT N	10	0.2	UF	EPDM
	20		DOE	Viton®²
	30		Code 2	Fluoraz®³
	40		Code 3	
			Code 7	
			Code 8	

¹ If unable to find part number for desired combination, please contact your Donaldson representative for availability.
² Viton® is a registered trademark of E. I. du Pont de Nemours and Company or its affiliates.
³ Fluoraz® is a registered trademark of Greene, Tweed & Co.
⁴ All trademarks belong to their respective owners

Drop-in Replacements

Manufacturer	Model
Parker Domnick Hunter	Chemflow
Parker Domnick Hunter	Proflow
Parker Domnick Hunter	Tetpor
Parker Domnick Hunter	Fluoroflow
Pall	Emflon
Pall	Ultipleat
Pall	Varafine
Pall	Fluoryte
Pall	Ultikleen
3M Cuno	LifeASSURE
GE	Memtrex FE
GE	Memtrex HFE
Sartorius	Aerosart
Sartorius	Sartofluor
Meissner	Ultradyne
Graver	TefTEC
Entegris	Fluorogard
Global Filter	High Purity PTFE

¹ All trademarks belong to their respective owners

DID YOU KNOW?
*LifeTec™ PT N Filters use
Tetratex® PTFE membrane
media?*



P-FF, P-MF, P-SMF, P-AK FILTER ELEMENTS

UF Push-in End Connection

Size	Item Number			
	P-FF	P-MF	P-SMF	P-AK
03/10	1C221216	1C221516	1C221816	1C222116
04/10	1C221220	1C221520	1C221820	1C222120
04/20	1C221224	1C221524	1C221824	1C222124
05/20	1C221232	1C221532	1C221832	1C222132
05/25	1C221240	1C221540	1C221840	1C222140
05/30	1C221252	1C221552	1C221852	1C262152
07/25	1C221248	1C221548	1C221848	1C222148
07/30	1C221256	1C221556	1C221856	1C222156
10/30	1C221264	1C221564	1C221864	1C222164
15/30	1C221272"	1C221572	1C221872	1C222172
20/30	1C221280	1C221580	1C221880	1C222180
30/30	1C221288	1C221588	1C221888	1C222188
30/50	1C221296	1C221596	1C221896	1C222196

Code 7

Size	Item Number			
	P-FF	P-MF	P-SMF	P-AK
05/30	1C032832	1C032839	1C032845	1C032852
10/30	1C032667	1C032698	1C031149	1C031148
20/30	1C032850	1C032851	1C032699	1C032853
30/30	1C028719	1C032848	1C028977	1C031422



Process Compressed Air Elements

Element Type	Oil Aerosol Retention Rate (ISO 12500-1)	Oil Residual Content (ISO 12500-1)	Particle Retention Rate	Materials		
				Media	O-Ring	End Cap
P-FF	96%	NA	99.9% at 5 µm	Borosilicate Microfiber with Polyurethane foam drainage layer	Buna	304SS, UF Push-in Connection
P-MF	99.90%		99.999% at 0.01 µm			
P-SMF	99.90%		99.99999% at 0.01 µm			
P-AK	NA	< 0.003 ppm	NA	Activated Carbon		

Maximum Operating Temperature

176°F

DID YOU KNOW? These elements provide particulate, coalescing and adsorption filtration capabilities to the P-EG and PG-EG housings when stainless steel housings are required.

O-RINGS FOR COMPRESSED AIR FILTRATION ELEMENTS

O-Rings¹

Element Connection	Element Model / Dimensions (mm)	Item Number			
		EPDM	Viton ^{®2}	Silicone	Fluoraz ^{®3}
UF Connection Element ¹	03/10 - 04/10 25 x 2.6	1C364120	1C362120	1C360120-AS	1C375101-AS
	04/20 - 07/25 30 x 3.5	1C364130	1C362130-AS	1C360130-AS	1C375102-AS
	05/30 - 40/30 52 x 3.5	1C364160	1C362160	1C360160-AS	1C375104-AS
	30/50 79 x 3.5	1C364240	NA	1C360240-AS	1C375105-AS
Code 2, 7 Connection Element ¹	05/30 - 40/30 52 x 3.5	1C364160	1C362158-AS	1C360156-AS	1C375104-AS
Double Open End ¹	10/30 - 40/30	1C359309-AS	1C359307-AS	NA	NA
Code 3, 8, 9 Connection Element ¹	05/30 - 40/30 38 x 3.5	1C364153-AS	1C363153-AS	1C360153-AS	NA

1 Two seals are used on each element.
2 Viton[®] is a registered trademark of E. I. du Pont de Nemours and Company or its affiliates.
3 Fluoraz[®] is a registered trademark of Greene, Tweed & Co.

DF SERIES FILTER HOUSINGS & ACCESSORIES

CRN

DF Standard Housings – Includes float condensate drain and Economizer

Model Number	Capacity ¹ (scfm)	Connection (FNPT)	Size	Qty	Dimensions (inches)			Weight w/o Element (lbs)	Item Number
					Height (A)	Width (I)	Clearance (E)		
DF 0035 MK	20	1/4"	0035	1	15.9	3.3	3.9	3.5	1C484060-63
DF 0070 MK	41	3/8"	0070	1	17.7	4.2	4.5	4.4	1C484180-63
DF 0120 MK	70	1/2"	0120	1	19.5	4.2	5.9	4.6	1C484300-63
DF 0210 MK	123	3/4"	0210	1	21.1	5.9	7.1	6.8	1C484420-63
DF 0320 MK	188	1"	0320	1	23.4	5.9	9.8	7.3	1C484540-63
DF 0450 MK	264	1-1/4"	0450	1	29.1	7.5	9.8	14.8	1C484660-63
DF 0600 MK	353	1-1/2"	0600	1	29.1	7.5	9.8	14.8	1C484780-63
DF 0750 MK	441	2"	0750	1	29.1	7.5	9.8	14.8	1C484900-63
DF 1100 MK	647	2"	1100	1	33.1	7.5	9.8	15.2	1C485020-63
DF 1450N-MK	853	2-1/2"	1450	1	33.1	7.5	9.8	15.2	1C485210-63

DF SuperPlus Housings – Includes Ultramat UFM-D zero-loss condensate drain valve and Economizer

Model Number	Capacity ¹ (scfm)	Connection (FNPT)	Size	Qty	Dimensions (inches)			Weight w/o Element (lbs)	Item Number
					Height (A)	Width (J)	Clearance (E)		
DF 0035 ZU	20	1/4"	0035	1	10.0	3.3	3.9	1.1	1C484100-63
DF 0070 ZU	41	3/8"	0070	1	11.7	4.2	4.5	2.0	1C484220-63
DF 0120 ZU	70	1/2"	0120	1	13.4	4.2	5.9	2.2	1C484340-63
DF 0210 ZU	123	3/4"	0210	1	15.0	5.9	7.1	4.4	1C484460-63
DF 0320 ZU	188	1"	0320	1	17.4	5.9	9.8	4.8	1C484580-63
DF 0450 ZU	264	1-1/4"	0450	1	23.0	7.5	9.8	11.5	1C484700-63
DF 0600 ZU	353	1-1/2"	0600	1	23.0	7.5	9.8	11.5	1C484820-63
DF 0750 ZU	441	2"	0750	1	23.0	7.5	9.8	11.5	1C484940-63
DF 1100 ZU	647	2"	1100	1	30.1	7.5	9.8	15.9	1C485060-63
DF 1450N-ZU	853	2-1/2"	1450	1	30.1	7.5	9.8	15.9	1C485240-63

Capacity Correction Factors

Operating Pressure (psig)	15	30	45	60	75	90	100	115	130	150	160	175	190	200	220	230
Correction Factor	0.3	0.4	0.5	0.6	0.8	0.9	1.0	1.1	1.2	1.4	1.5	1.6	1.8	1.9	2.0	2.1

¹ S, M, and V coalescing filter capacity based on nominal operating conditions of 100 psig inlet pressure per ISO 12500 for the entire assembly. For detailed ISO 12500 information, consult a Donaldson representative. Capacities are general recommendations and may vary based on element selection, operating conditions and allowable pressure losses.



Industrial Compressed Air
Housings

Materials

Filter Housing	Aluminum die cast
Differential Pressure	DF Standard: Econometer DF SuperPlus: Economizer
Float Drain	DF Standard: polymer/aluminum mold cast (Note: DF 1100 MK & DF 1450 MK comes with UFM-P drain valve.) DF SuperPlus: aluminum, glass fiber reinforced polymer
Housing Bowl Seal	Buna

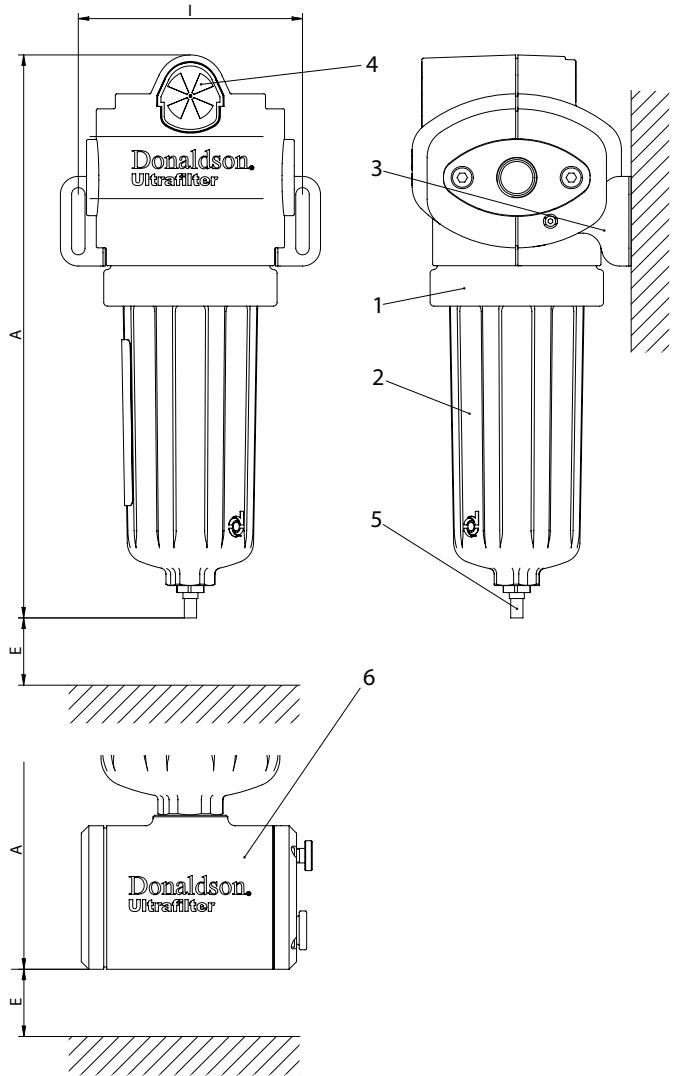
Design Pressure and Temperature

250 psig @ 150°F

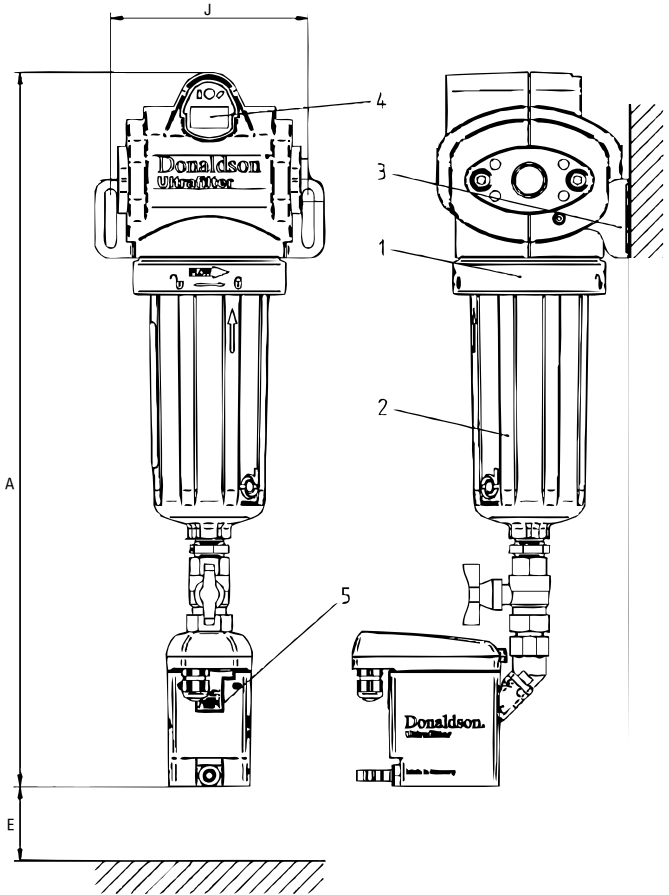
Drain Connection

DF 0035 - 0750	1/2" BSP
DF 1100 - 1450	1" BSP

DF STANDARD



DF SUPERPLUS



No.	Qty.	Description
1	1	Filter Head
2	1	Lower Housing Bowl
3	2	Wall Bracket (option)
4	1	Econometer
5	1	Internal Automatic Drain KA 1/2
6	1	External Automatic Drain UFM-P

No.	Qty.	Description
1	1	Filter Head
2	1	Lower Housing Bowl
3	2	Wall Bracket (option)
4	1	Economizer
5	1	Condensate Drain UFM-D03 (DF 0035 - DF 1450)

DID YOU KNOW? A filter train using Donaldson DF filter housings and elements can help you meet the Safe Quality Food (SQF) Compressed Air Standards. Contact your Donaldson Representative for more information.

DF-THREE SERIES THREE-IN-ONE FILTER HOUSINGS

DF-Three Housing and Elements

Model Number	Capacity ¹ (scfm)	Connection (FNPT)	Size	Qty	Housing Weight (lbs)	Dimensions (inches)			Housing w/ Element
						Height	Width	Clearance	Item Number
DF-T 0050	29	1/2"	0050	1	2.2	13.4	4.6	5.5	1C484327-63
DF-T 0080	47	3/4"	0080	1	4.4	15.0	5.5	7.1	1C484387-63
DF-T 0110	65	1"	0110	1	4.9	17.4	5.5	9.9	1C484567-63

¹ Filter capacity based on operating conditions of 100 psig inlet pressure per ISO 12500 for the entire assembly. For detailed ISO 12500 information, consult your Donaldson representative.

Capacity Correction Factors

Operating Pressure (psig)	15	30	45	60	75	90	100	115	130	150	160	175	190	200	220	230
Correction Factor	0.3	0.4	0.5	0.6	0.8	0.9	1.0	1.1	1.2	1.4	1.5	1.6	1.8	1.9	2.0	2.1

Materials – Filter Housings

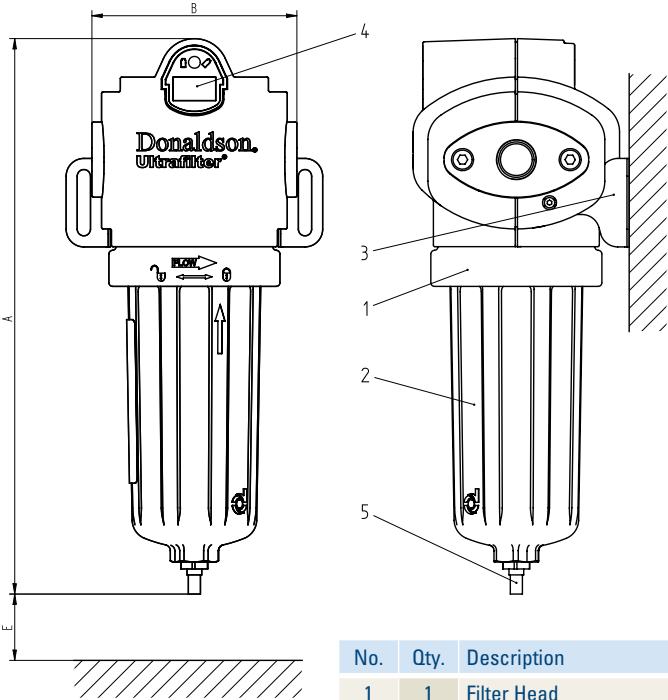
Filter Housing	Aluminum die cast
Differential Pressure	Economizer (polymer)
Float Drain	Polymer
Housing Bowl Seal	Buna

Design Pressure and Temperature

250 psig @ 150°F

Drain Connection

DF 0050 - 0110	1/2" BSP
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No.	Qty.	Description
1	1	Filter Head
2	1	Filter Bowl
3	2	Wall Bracket (option)
4	1	Economizer
5	1	Float Drain KA 1/2

SQF THREE-STAGE SYSTEMS & ACCESSORIES

SQF Housings and Elements

Part Description	Capacity¹ (SCFM)	Connection (FNPT)	Elements				Dimensions (inches)			Part Number
			Element Size	Stage 1	Stage 2	Stage 3	Height	Width	Depth	
DF 0035 Housing Combination	20	1/4"	0035	V - Coalescing	M - Coalescing	S - SQF Final Element	9.9	9.3	3.6	1C488580-63
DF 0120 Housing Combination	70	1/2"	0120	V - Coalescing	M - Coalescing	S - SQF Final Element	13.4	11.7	5.8	1C488581-63
DF 0210 Housing Combination	123	3/4"	0210	V - Coalescing	M - Coalescing	S - SQF Final Element	15.9	15	7.9	1C488582-63
DF 0320 Housing Combination	188	1"	0320	V - Coalescing	M - Coalescing	S - SQF Final Element	17.4	15.9	7.9	1C488583-63

Part Description	Capacity¹ (SCFM)	Connection (FNPT)	Elements				Dimensions (inches)			Part Number
			Element Size	Stage 1	Stage 2	Stage 3	Height	Width	Depth	
DF 0035 Housing Combination	20	1/4"	0035	M - Coalescing	S - Coalescing	A - Activated Carbon	9.9	9.3	3.6	1C488619-63
DF 0120 Housing Combination	70	1/2"	0120	M - Coalescing	S - Coalescing	A - Activated Carbon	13.4	11.7	5.8	1C488618-63
DF 0210 Housing Combination	123	3/4"	0210	M - Coalescing	S - Coalescing	A - Activated Carbon	15.9	15	7.9	1C488617-63
DF 0320 Housing Combination	188	1"	0320	M - Coalescing	S - Coalescing	A - Activated Carbon	17.4	15.9	7.9	1C488616-63

¹ Capacity based on 100 psig inlet pressure, 100°F inlet temperature, and dry air service.

Connection Adapters

Description		Model Number	Item Number
Connection Adapter - Used to join two housings together without the use of a nipple		DF 0035	1C485519
		DF 0070 - DF 0120	1C485520
		DF 0210 - DF 0320	1C485521
		DF 0450 - DF 1100	1C485522



Gaskets

Housing Model	Gasket Material	Item Number	Qty
DF 0035	Buna	1C482282-AS	1
DF 0070 - DF 0120, DF-T 0050	Buna	1C482283-AS	1
DF 0210	Buna	1C371252-AS	1
DF 0320, DF-T 0080 - DF-T 0110	Buna	1C371252-AS	1
DF 0450 - DF 1100	Buna	1C371268-AS	1

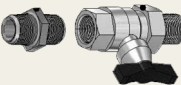
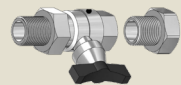
Differential Pressure Gauges

Description		Model Number		Item Number
Economizer – Microprocessor - controlled differential pressure indicator for calculation of most economical time to change filter		DF 0035		1C485504-63
		DF 0070 - DF 0120	DF-T 0050	1C485505-63
		DF 0210 - DF 0320	DF-T 0080	1C485506-63
		DF 0450 - DF 1450	DF-T 0110	1C485507-63
Economizer – Mechanical differential pressure indicator		DF 0035		1C485500-63
		DF 0070 - DF 0120	DF-T 0050	1C485501-63
		DF 0210 - DF 0320	DF-T 0080	1C485502-63
		DF 0450 - DF 1450	DF-T 0110	1C485503-63

Drains

Description		Model Number	Item Number
Mechanical Condensate Drain KA 1/2		DF 0035 - DF 0750	1C485523
Mechanical Drain, UFM-P		DF 1100 - 1450	1C300340
Drain Service Kit, UFM-P		UFM-P	1C300600

Connection Kits

Description		Model Number	Item Number
Connection Kit UFM-T05		DF 0035 - DF 1450	1C301788
Connection Kit UFM-T1		DF 0035 - DF 1450	1C301141
Connection Kits UFM-D		DF 0035 - DF 0750 DF-T 0050 - 0110	1C302073-63
		DF 1450	1C302074-63

Mounting Brackets

Description		Model Number	Item Number
Wall Bracket (Includes 2 brackets)		DF 0035	1C485515
		DF 0070 - DF 0120	1C485516
		DF 0210 - DF 0320	1C485517
		DF 0450 - DF 1450	1C485518

DF A ACTIVATED CARBON FILTER HOUSINGS

DF A – Activated Carbon Housings

Model Number	Capacity ¹ (scfm)	Connection (FNPT)	Size	Qty	Dimensions (inches)			Weight w/o Element (lbs)	Item Number
					Height	Width	Clearance		
DF 0035 PS	20	1/4"	0035	1	9.0	3.5	3.9	1	1C484062-63
DF 0070 PS	41	3/8"	0070	1	11.0	4.5	4.5	2	1C484182-63
DF 0120 PS	70	1/2"	0120	1	12.5	4.5	5.9	2	1C484302-63
DF 0210 PS	123	3/4"	0210	1	14.0	6.0	7.1	5	1C484422-63
DF 0320 PS	188	1"	0320	1	16.5	6.0	9.8	5	1C484542-63
DF 0450 PS	264	1-1/4"	0450	1	22.0	7.5	9.8	12	1C484662-63
DF 0600 PS	353	1-1/2"	0600	1	22.0	7.5	9.8	12	1C484782-63
DF 0750 PS	441	2"	0750	1	22.0	7.5	9.8	12	1C484902-63
DF 1100 PS	647	2"	1100	1	26.0	7.5	9.8	16	1C485022-63
DF 1450 PS	850	2-1/2"	1450	1	26.0	7.5	9.8	16	1C485230-63

1 Capacity based on 100 psig inlet pressure, 100°F inlet temperature, and dry air service.

Capacity Correction Factors

Operating Pressure (psig)	15	30	45	60	75	90	100	115	130	150	160	175	190	200	220	230
Correction Factor	0.25	0.36	0.50	0.60	0.75	0.90	1.00	1.10	1.20	1.40	1.50	1.60	1.75	1.90	2.00	2.10

Materials

Filter Housing	Aluminum die cast
Housing Bowl Seal	Buna

DF A housing includes plugs in place of a gauge and drain.

Drain Connection

DF 0035 - 0750	1/2" BSP
DF 1100	1" BSP

Design Pressure and Temperature

250 psig @ 150°F

Contact your Donaldson representative for higher temperatures.



SG FILTER HOUSINGS & ACCESSORIES

ASME

SG (Steel) Standard Housings with Plug

Model Number	Capacity ¹ (scfm)	Connection	Elements		Dimensions (inches)		Weight w/o Element (lbs)	Item Number
			Size	Qty	Height (A)	Width (B)		
AKSG0288	1,728	4" Flg	3050	1	50	14	119	1C082384-63
AKSG0432	2,592	4" Flg	2030	3	40	16	176	1C082355-63
AKSG0768	4,608	6" Flg	3030	4	55	18	286	1C082357-63

Capacity Correction Factors

Operating Pressure (psig)	15	30	45	60	75	90	100	115	130	150	160	175	190	200	220	230
Correction Factor	0.3	0.4	0.5	0.6	0.8	0.9	1.0	1.1	1.2	1.4	1.5	1.6	1.8	1.9	2.0	2.1

¹ Capacity based on 100 psig inlet pressure. Capacities are general recommendations and may vary based on element selection, operating conditions, and allowable pressure losses.

Notes: AKSG and SG STD are ASME Code Stamped. SuperPlus SG filter housings with Economizer and UFM-D zero loss condensate drain valve available upon request.

For economic purification of condensate, US Series oil/water separators are recommended. Reference page 98 for more details. CRN numbers are available for all housings upon request.

Materials

Filter Housing	Carbon steel
Differential Pressure Gauge - Economizer	Aluminum (Economizer optional)
Float Drain - UFM-P	Cast aluminum body, stainless steel float (UFM-D zero air-loss drain optional)
Housing Bowl Seal	Asbestos-free gaskets following ANSI B16.21
Surface Finish	Polyester powder coating
Connection	Flange 4" or 6" class 150, ANSI B 16.5, RF

Design Pressure and Temperature

150 psig @ 150°F (standard)

DID YOU KNOW? The only difference between the SG housings and the AKSG housings is that the AKSG housings do not come with a drain.



Industrial Compressed Air Housings

Differential Pressure Gauges

Description		Model Number	Item Number
Economizer – Microprocessor - controlled differential pressure indicator for calculation of most economical time to change filter		SG 0288 - SG 0768	1C301316
Economizer Box			1C301304
Econometer – Mechanical differential pressure indicator		SG 0288 - SG 0768	1C301165

Drains

Description		Model Number	Item Number
Mechanical Drain, KA 1/8"			1C300023-AS
Mechanical Drain, KA 1/2"			1C485523
Mechanical Drain, UFM-P		SG 0192 - SG 0768	1C300340-63
Drain Service Kit, UFM-P			1C300600
Timer Drain, UF-Z		SG 0192 - SG 0768	1C300202
AK Plug		VS 1/4"	1C320040
		VS 1/2"	1C350147
		VS 1"	1C300040

Connection Kits

Description		Model Number	Item Number
Connection Kits - UFM-D05		SG 0192 - 0288	1C302074-63
Connection Kits - UFM-D10		SG 0432 - 0768	1C302075-63

SG Gaskets

Housing Model	Gasket Material	Item Number	Qty	
SG/AKSG 0288-0432	Graphite	1C350407	1	
SG/AKSG 0768	Graphite	1C350408	1	CDR1

DF-C SERIES CYCLONE SEPARATORS

Ultra-Filter DF-C Cyclone Separators

Model Number	Capacity ¹ (scfm)	Connection (FNPT)	Dimensions (inches)			Weight (lbs)	Item Number
			Height (A)	Width (B)	Clearance (E)		
DF-C 0120	70	1/2"	11.2	4.0	4.5	3.5	1C484247-63
DF-C 0210	123	3/4"	14.5	5.5	7.1	5.9	1C484367-63
DF-C 0320	188	1"	14.5	5.5	7.1	5.9	1C484487-63
DF-C 0450	264	1-1/2"	22.5	7.5	9.8	6.4	1C484607-63
DF-C 0750	441	2"	22.5	7.5	9.8	6.4	1C484847-63
DF-C 1100	647	2"	22.5	7.5	9.8	6.4	1C484967-63
DF-C 1450	850	2-1/2"	22.5	7.5	9.8	6.4	1C485310-63

Capacity Correction Factors

Operating Pressure (psig)	15	30	45	60	75	90	100	115	130	150	175	200	220	230
Correction Factor	0.3	0.4	0.5	0.7	0.8	0.9	1.0	1.1	1.3	1.4	1.7	1.9	2.1	2.3

Materials

Filter Housing	Aluminum die cast
Timer Drain – UF-Z	Brass
Housing Bowl Seal	Buna

¹ Capacity based on 100 psig inlet pressure.

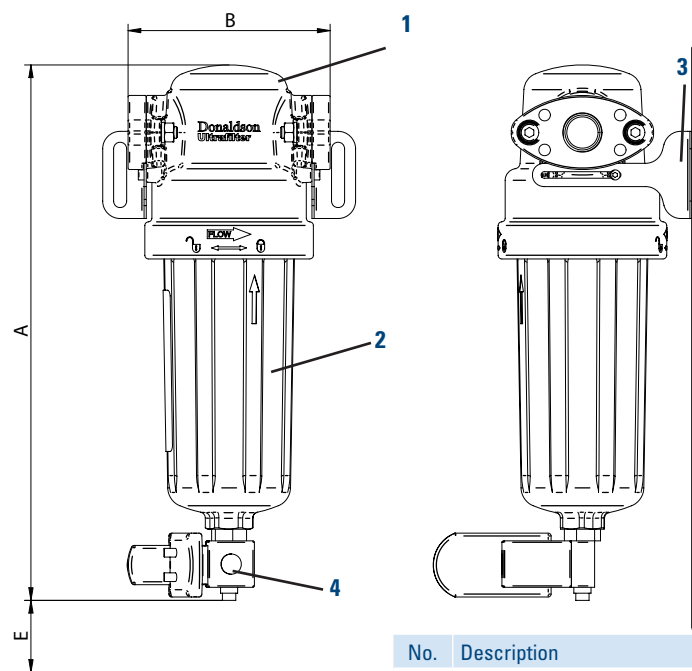
Note: For economic purification of condensate, US Series oil/water separators are recommended. Reference page 98 for more details.

Specifications

Design Pressure and Temperature	250 psig @ 150°F
Continuous Operating Temperature	34°F to 149°F

Drain Connection

1/2" BSP



No.	Description
1	Upper Housing Bowl
2	Lower Housing Bowl
3	Wall Bracket (optional)
4	Drain - UF-Z Timer Drain

Industrial Compressed Air
Housings

HD HIGH PRESSURE FILTER HOUSINGS & ACCESSORIES

925 PSIG (Aluminum)

Model Number	Capacity ² (scfm)	Connection (FNPT)	Element Size	Dimensions (inches)				Weight w/o Element (lbs)	Item Number
				Height (A)	Width (B)	Conn. Height	Clearance		
HD0003	144	1/4"	0305	6.5	3.5	5.7	5.1	3.5	1C052250-63
HD0006	288	3/8"	0310	6.5	3.5	5.7	5.1	3.5	1C052251-63
HD0012	576	1/2"	0420	8.1	4.2	7.3	7.5	5.7	1C052263-63
HD0018	864	3/4"	0520	9.1	4.2	8.1	7.5	6.2	1C052264-63
HD0027	1,296	1"	0525	9.3	4.7	8.3	7.5	9.5	1C052265-63
HD0036	1,728	1-1/4"	0725	11.5	4.7	10.1	10.0	10.1	1C052266-63
HD0048	2,304	1-1/2"	0730	12.4	6.0	11.0	10.0	16.3	1C052267-63
HD0072	3,456	2"	1030	16.0	7.3	14.4	14.0	41.7	1C052268-63

5,800 PSIG (Carbon Steel)

Model Number	Capacity ² (scfm)	Connection (FNPT)	Element Size	Dimensions (inches)				Weight w/o Element (lbs)	Item Number
				Height (A)	Width (B)	Conn. Height	Clearance		
HD0003	900	1/4"	0305	6.7	3.5	5.9	5.1	11.0	1C052550-63
HD0006	1,800	3/8"	0310	6.7	3.5	5.9	5.1	11.5	1C052551-63
HD0012	3,600	1/2"	0420	8.3	4.2	7.5	7.5	19.9	1C052553-63
HD0018	5,400	3/4"	0520	9.3	4.2	8.5	7.5	20.9	1C052554-63
HD0027	8,100	1"	0525	10.0	4.7	8.7	7.5	32.0	1C052555-63
HD0036	10,800	1-1/4"	0725	12.0	4.7	10.7	10.0	35.3	1C052556-63
HD0048	14,400	1-1/2"	0730	13.0	6.0	11.7	10.0	60.6	1C052557
HD0072	21,600	2"	1030	16.6	7.5	15.0	13.5	132.3	1C052558-63

Capacity Correction Factors

925 psig										
Operating Pressure (psig)	500	550	600	650	700	750	800	850	900	925
Correction Factor	0.55	0.6	0.65	0.71	0.76	0.81	0.87	0.92	0.97	1.00
5,800 psig										
Operating Pressure (psig)	1000	1500	2000	2500	3000	3500	4000	4500	5000	5800
Correction Factor	0.17	0.26	0.35	0.43	0.52	0.6	0.69	0.78	0.86	1.00

1 Capacities are general recommendations and may vary based on element selection, operating conditions, and allowable pressure losses. To determine capacity at other operating pressures, multiply published capacity value by the correction factor.



Materials

Filter Housing	925 psig: Aluminum (304 SS optional) 5,800 psig: Carbon steel (316 SS optional)
Sealing	Buna

For stainless steel, higher pressure, and larger capacity filters, contact your Donaldson representative.

Surface Finish

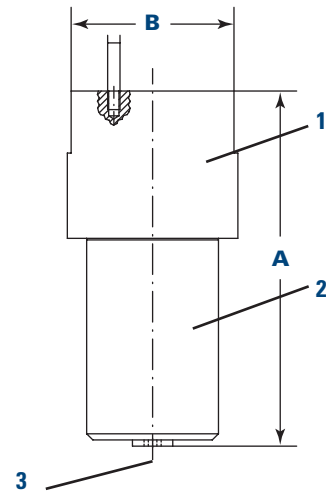
925 psig	Aluminum anodized
5800 psig	Carbon steel nickel plated

Specifications

Minimum/Maximum Design Temperature	-14°F / +176°F
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Drain Connection

1/2" BSP



No.	Description
1	Upper Housing Bowl
2	Lower Housing Bowl
3	Drain Plug

HD Gaskets

Housing Model	Housing Pressure	Gasket Material	Item Number	Qty
HD 0003-0006	925 psig	Buna	1C361180-AS	1
	5,800 psig	Buna	1C361188-AS	1
HD0012-0018	925 psig	Buna	1C371212-AS	1
	5,800 psig	Buna	1C361217-AS	1
HD0027-0036	925 psig	Buna	NA	—
	5,800 psig	Buna	1C361251-AS	1
HD0048	925 psig	Buna	1C361253	1
	5,800 psig	Buna	1C361259-AS	1
HD0072	925 psig	Buna	1C361260-AS	1
	5,800 psig	Buna	1C361269-AS	1

DF SERIES FILTER ELEMENTS

Size	Item Number			
	Element Type			
	V - Coalescing	M - Coalescing	S - Coalescing	A - Activated Carbon
0035	1C486003	1C486101	1C486100	1C486006
0070	1C486013	1C486111	1C486110	1C486016
0120	1C486023	1C486121	1C486120	1C486026
0210	1C486033	1C486131	1C486130	1C486036
0320	1C486043	1C486141	1C486140	1C486046
0450	1C486053	1C486151	1C486150	1C486056
0600	1C486063	1C486161	1C486160	1C486066
0750	1C486073	1C486171	1C486170	1C486076
1100	1C486083	1C486181	1C486180	1C486086
1450	1C486093	1C486191	1C486190	1C486096



Silicone - Free

Size	Item Number			
	Element Type			
	V - Coalescing	M - Coalescing	S - Coalescing	A - Activated Carbon
0035	1C486003-24	1C486101-24	1C486100-24	1C486006-24
0070	1C486013-24	1C486111-24	1C486110-24	1C486016-24
0120	1C486023-24	1C486121-24	1C486120-24	1C486026-24
0210	1C486033-24	1C486131-24	1C486130-24	1C486036-24
0320	1C486043-24	1C486141-24	1C486140-24	1C486046-24
0450	1C486053-24	1C486151-24	1C486150-24	1C486056-24
0600	1C486063-24	1C486161-24	1C486160-24	1C486066-24
0750	1C486073-24	1C486171-24	1C486170-24	1C486076-24
1100	1C486083-24	1C486181-24	1C486180-24	1C486086-24
1450	1C486093-24	1C486191-24	1C486190-24	1C486096-24

Type	Element & Housing		Oil Aerosol Retention Rate (ISO 12500-1)	Residual Oil Content	Particle Retention Rate	Media	O-Ring Material
	Initial Δp (psid) Dry	Initial Δp (psid) Wet					
V Coalescing Filter	1.59	1.74	96%	NA	99.9% at 5 μm	Polyester	Viton® ¹
M UltraPleat™ Coalescing Filter	1.09	2.03	99.9%		99.999% at 0.01 μm	Borosilicate	
S UltraPleat™ Coalescing Filter	1.45	2.61	99.9%		99.99999% at 0.01 μm	Borosilicate	
A Carbon Filter	1.00	NA	NA	<0.003 ppm	NA	Activated Carbon	

1 Viton® is a registered trademark of DuPont Performance Elastomers L.L.C.

DF-THREE SERIES FILTER ELEMENTS

DF-Three – Replacement Filter Elements

Model Number	Size	Qty	Element Only
			Item Number
DF-T 0050	0050	1	1C486714
DF-T 0080	0080	1	1C486715
DF-T 0110	0110	1	1C486716

Materials

Filter Media Coalescence Filter and Particle Filter	Borosilicate fleece
Coalescence Sleeve	Polyester fleece
Activated Carbon Stage	Highly adsorptive coconut shell carbon
Liner	304 SS 1.4301
End Caps	Fiber glass reinforced polymer, aluminum
Upper O-Ring	Buna, silicone-free and free of compound
Lower O-Ring	Viton® ¹
Bonding	Polyurethane

¹ Viton® is a registered trademark of DuPont Performance Elastomers L.L.C.



AG, SG & HD FILTER ELEMENTS

Size	Item Number								
	Element Type								
	SB	CF	FF	MF	SMF	AK	FFHTNX	MFHTNX	SMFHTNX
0205	1C120304-05	1C121004	1C121304	1C121404	1C121704	1C122104	1C123304	1C123604	1C123904
0305	1C120306-05	1C121006	1C121306	1C121406	1C121706	1C122106	1C123306	1C123606	1C123906
0310	1C120316-05	1C121016	1C121316	1C121416	1C121716	1C122116	1C123316	1C123616	1C123916
0410	1C120320-05	1C121020	1C121320	1C121420	1C121720	1C122120	1C123320	1C123620	1C123920
0420	1C120324-05	1C121024	1C121324	1C121424	1C121724	1C122124	1C123324	1C123624	1C123924
0520	1C120332-05	1C121032	1C121332	1C121432	1C121732	1C122132	1C123332	1C123632	1C123932
0525	1C120340-05	1C121040	1C121340	1C121440	1C121740	1C122140	1C123340	1C123640	1C123940
0725	1C120348-05	1C121048	1C121348	1C121448	1C121748	1C122148	1C123348	1C123648	1C123948
0730	1C120356-05	1C121056	1C121356	1C121456	1C121756	1C122156	1C123356	1C123656	1C123956
1030	1C120364-05	1C121064	1C121364	1C121464	1C121764	1C122164	1C123364	1C123664	1C123964
1530	1C120372-05	1C121072	1C121372	1C121472	1C121772	1C122172	1C123372	1C123672	1C123972
2030	1C120380-05	1C121080	1C121380	1C121480	1C121780	1C122180	1C123380	1C123680	1C123980
3030	1C120388-05	1C121088	1C121388	1C121488	1C121788	1C122188	1C123388	1C123688	1C123988
3050	1C120396-05	1C121096	1C121396	1C121496	1C121796	1C122196	1C123396	1C123696	1C123996

Element Data

Element Type	Initial Δp (psid) Dry	Oil Aerosol Retention Rate (ISO 12500-1)	Oil Residual Content	Particle Retention Rate	Materials		
					Media	O-Ring	End Cap
CF	0.1	85%	NA	99.9% at 5 μm	Polyester	Buna	Aluminum
SB	0.4	NA		99.98% at 5 μm	Sintered Bronze		
FF Ultrapleat™	0.5	99%		99.9% at 5 μm	Borosilicate Microfiber with Polyester fiber drainage layer		
MF Ultrapleat™	0.6	99.4%		99.999% at 0.01 μm			
SMF Ultrapleat™	0.7	99.9%		99.99999% at 0.01 μm			
AK	1.2	NA	< 0.003 ppm	NA	Activated Carbon		

Maximum Operating Temperature

AK	140°F
CF, FF, MF and SMF	176°F
SB	248°F
FFHTNX, MFHTNX, and SMFHTNX	356°F

DID YOU KNOW? HTNX stands for high temperature Nomex™. HTNX elements use a high temperature coalescing sleeve.

AG, SG & HD FILTER ELEMENTS – SILICONE-FREE

Size	Item Number				
	Element Type				
	SBP	FFP	MFP	SMFP	AKP
0205	1C028684-05	1C125104	1C125404	1C125704	1C125804
0305	1C028685-05	1C125106	1C125406	1C125706	1C125806
0310	1C028686-05	1C125116	1C125416	1C125716	1C125816
0410	1C028674-05	1C125120	1C125420	1C125720	1C125820
0420	1C028687-05	1C125124	1C125424	1C125724	1C125824
0520	1C028689-05	1C125132	1C125432	1C125732	1C125832
0525	1C026947-05	1C125140	1C125440	1C125740	1C125840
0725	1C028688-05	1C125148	1C125448	1C125748	1C125848
0730	1C026422-05	1C125156	1C125456	1C125756	1C125856
1030	1C160365-05	1C125164	1C125464	1C125764	1C125864
1530	1C026449-05	1C125172	1C125472	1C125772	1C125872
2030	1C026423-05	1C125180	1C125480	1C125780	1C125880
3030	1C026424-05	1C125188	1C125488	1C125788	1C125888
3050	1C026425-05	1C125196	1C125496	1C125796	1C125896

Element Data

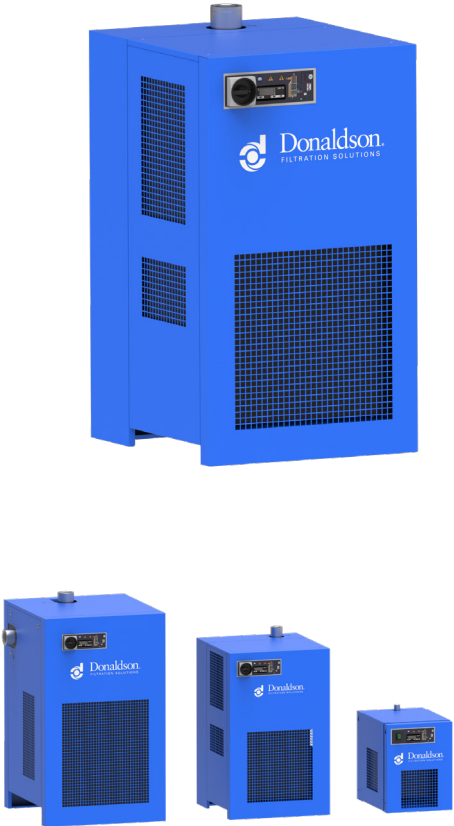
Element Type	Initial Δp (psid) Dry	Oil Aerosol Retention Rate (ISO 12500-1)	Oil Residual Content	Particle Retention Rate	Materials	
					Media	O-Ring
SBP	0.4	NA	NA	99.98% at 5 μm	Sintered Bronze	Viton®1
FFP	0.7	99%		99.999% at 0.01 μm	Borosilicate Microfiber with Polyurethane foam drainage layer	
MFP	1.2	99.4%		99.999% at 0.01 μm		
SMP	1.7	99.9%		99.9999% at 0.01 μm		
AKP	1.2	NA	< 0.003 ppm	NA	Activated Carbon embedded Polyester	

1 Viton® is a registered trademark of DuPont Performance Elastomers L.L.C.

DID YOU KNOW? *Donaldson’s silicone-free elements do not have a coalescing foam sleeve.*

BURAN REFRIGERATED DRYER

Model Number	Description	Power Supply	Type of Drain	Dryer Dimensions (inches)		
				Width	Length	Height
AX0641401	Buran 0020 CFM	1 / 115 / 60 Hz	Zero Loss Drain	13.58	16.53	29.13
AX0641501	Buran 0030 CFM	1 / 115 / 60 Hz	Zero Loss Drain	13.58	16.53	29.13
AX0641601	Buran 0050 CFM	1 / 115 / 60 Hz	Zero Loss Drain	13.58	16.53	29.13
AX0641701	Buran 0075 CFM	1 / 115 / 60 Hz	Zero Loss Drain	13.58	16.53	29.13
AX0641801	Buran 0100 CFM	1 / 115 / 60 Hz	Zero Loss Drain	19.09	17.91	32.48
AX0641901	Buran 0125 CFM	1 / 115 / 60 Hz	Zero Loss Drain	19.09	17.91	32.48
AX0642001	Buran 0150 CFM	1 / 115 / 60 Hz	Zero Loss Drain	19.09	17.91	32.48
AX0642101	Buran 0200 CFM	1 / 115 / 60 Hz	Zero Loss Drain	21.85	22.83	34.84
AX0642201	Buran 0250 CFM	1 / 230 / 60 Hz	Zero Loss Drain	21.85	22.83	34.84
AX0642301	Buran 0300 CFM	1 / 230 / 60 Hz	Zero Loss Drain	21.85	24.60	38.38
AX0642401	Buran 0350 CFM	1 / 230 / 60 Hz	Zero Loss Drain	21.85	24.60	38.38
AX0642501	Buran 0400 CFM	1 / 230 / 60 Hz	Zero Loss Drain	26.18	28.54	43.50
AX0642601	Buran 0500 CFM	1 / 230 / 60 Hz	Zero Loss Drain	26.18	28.54	43.50



Working Overpressure	psi (g)	29	43.5	58	72.5	87	101.5	116	130.5	145	159.5	174	188.5	203	217.5	232
Factor	f _p	0.49	0.66	0.77	0.86	0.93	1.00	1.05	1.10	1.14	1.18	1.21	1.24	1.27	1.30	1.33

Pressure Dewpoint	°F	37.4	41	44.6	50
Factor	f _{tpd}	1.00	1.09	1.19	1.37

Temperature of ambient air, only for air-cooled dryers	°F	77	86	95	104	113	122
Factor	f _{tu}	1.00	0.96	0.90	0.82	0.72	0.60

Compressed Air Inlet Temperature	°F	77	86	95	104	113	122	131	140	149	158
Factor	f _{te}	1.20	1.12	1.00	0.83	0.69	0.59	0.50	0.44	0.39	0.37

Corrected dryer capacity = Standard dryer capacity x f_p x f_{tpd} x f_{tu} x f_{te}

ULTRAPAC™ SMART & OILFREEPAC™ SMART ADSORPTION DRYERS & ACCESSORIES

Ultracpac™ Smart Heatless Dryers

Model Number	Capacity ¹ (scfm)	Connection (FNPT)	Voltage ² (v)	Dimensions (inches)			Weight (lbs)	Standard	SuperPlus
				Width (A)	Depth (B)	Height (C)		Item Number	Item Number
UPS03	3	1/2"	110	12.4	4.5	19.6	22	1C606040	1C606240
UPS06	6	1/2"	110	12.4	4.5	30.1	33	1C606041	1C606241
UPS09	9	1/2"	110	12.4	4.5	40.6	46	1C606142	1C606242
UPS12	12	1/2"	110	12.4	4.5	51.1	57	1C606043	1C606243
UPS15	15	1/2"	110	12.4	4.5	61.6	68	1C606044	1C606244
UPS20	20	1"	110	18.3	6.6	34.1	75	1C606045	1C606245
UPS30	30	1"	110	18.3	6.6	44.5	99	1C606046	1C606246
UPS40	40	1"	110	18.3	6.6	54.9	126	1C606047	1C606247
UPS50	50	1"	110	18.3	6.6	65.3	150	1C606048	1C606248
UPS60	60	1"	110	18.3	6.6	75.7	174	1C606049	1C606249

Oilfreepac™ Smart OFP Dryers

Model Number	Capacity ¹ (scfm)	Connection (FNPT)	Voltage ² (v)	Dimensions (inches)			Weight (lbs)	Standard	SuperPlus
				Width (A)	Depth (B)	Height (C)		Item Number	Item Number
OFPS03	3	1/2"	110	12.4	6.8 - 7.5	19.3 - 9.6	35	1C606340	1C606540
OFPS06	6	1/2"	110	12.4	6.8 - 7.5	29.9 - 30.1	57	1C606341	1C606541
OFPS09	9	1/2"	110	12.4	6.8 - 7.5	40.3 - 40.6	84	1C606342	1C606542
OFPS12	12	1/2"	110	12.4	6.8 - 7.5	51.0 - 51.1	106	1C606343	1C606543
OFPS15	15	1/2"	110	12.4	6.8 - 7.5	61.3 - 61.6	128	1C606344	1C606544
OFPS20	20	1"	110	18.3	10.9 - 11.5	33.4 - 34.1	132	1C606345	1C606545
OFPS30	30	1"	110	18.3	10.9 - 11.5	43.8 - 44.5	176	1C606346	1C606546
OFPS40	40	1"	110	18.3	10.9 - 11.5	54.2 - 54.9	223	1C606347	1C606547
OFPS50	50	1"	110	18.3	10.9 - 11.5	64.6 - 65.3	267	1C606348	1C606548
OFPS60	60	1"	110	18.3	10.9 - 11.5	75.0 - 75.7	311	1C606349	1C606549

Capacity Correction Factors – Temperature and System Pressure

Temperature	60 psi (g)	75 psi (g)	90 psi (g)	105 psi (g)	120 psi (g)	135 psi (g)	150 psi (g)	165 psi (g)	180 psi (g)	195 psi (g)	210 psi (g)	225 psi (g)	240 psi (g)
65°F	0.94	1.02	1.12	1.20	1.27	1.34	1.42	1.48	1.54	1.60	1.67	1.71	1.78
75°F	0.92	1.01	1.11	1.19	1.26	1.33	1.41	1.47	1.52	1.58	1.64	1.70	1.76
85°F	0.86	1.00	1.10	1.17	1.25	1.31	1.39	1.45	1.51	1.56	1.61	1.67	1.73
95°F	0.65	0.78	0.91	1.03	1.16	1.29	1.38	1.44	1.50	1.55	1.60	1.65	1.71
105°F	0.50	0.59	0.69	0.79	0.89	0.98	1.09	1.18	1.28	1.38	1.48	1.57	1.68
115°F	0.38	0.46	0.53	0.60	0.68	0.76	0.84	0.91	0.98	1.07	1.14	1.21	1.29
120°F	0.29	0.35	0.41	0.48	0.53	0.59	0.65	0.70	0.77	0.82	0.88	0.94	1.00
130°F	0.23	0.28	0.32	0.37	0.41	0.46	0.51	0.55	0.60	0.64	0.69	0.73	0.79

$\dot{V}_{corr} = \frac{\dot{V}_{nom}}{f}$ Example: $\dot{V}_{nom} = 15$ scfm, inlet temperature = 95°F, operating pressure = 150 psi (g)

$\dot{V}_{corr} = \frac{15 \text{ scfm}}{1.38} = 10.87$ scfm calculated dryer size: Ultracpac™ Smart, type UPS12

1 Capacity based on -40°F pdp, 100 psig inlet pressure, 100°F inlet temperature and 100°F ambient according to CAGI ADF 200.

2 230V and 24V alternate voltage is available upon request.

3 Mounting kit included with SuperPlus only.

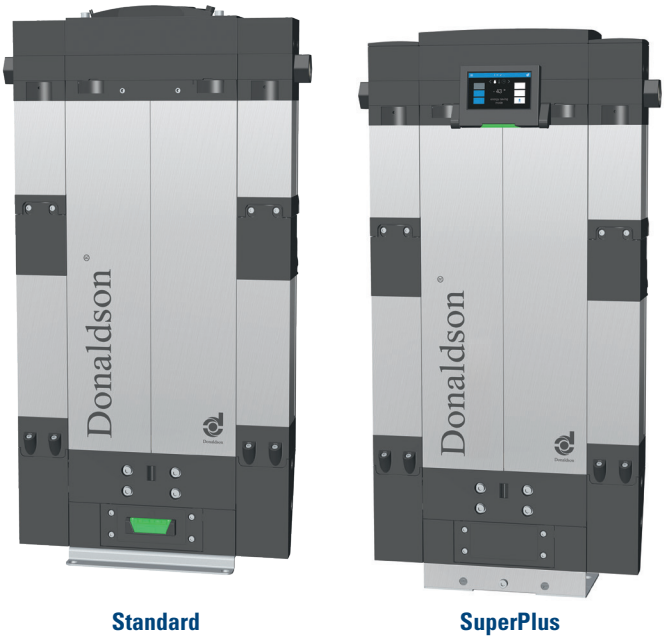
4 For an explanation of capacity correction factors and examples of how they are applied, refer to Appendix 1.

Notes: A pressure dew point of -100°F can be achieved. Consult a Donaldson representative with application and ambient temperature conditions to verify sizing.

Specifications

Operating Temperature Range	+65°F / +130°F
Ambient Temperature Range	+40°F / +130°F
Operating Pressure Mini	Minimum 60 psig; Maximum 240 psig
Operating Pressure Midi	Minimum 60 psig; Maximum 175 psig
Standard Power Supply	110V/60Hz, other options available

Explanations: * volume flow rate represents standard temperature and pressure atmospheric air at compressor inlet (68 °F, 14.7 psia), and a dryer inlet conditions of 95°F at 100 psi(g) operating pressure. Dryer outlet pressure dew point: -40 °F. Allowable operating pressures and temperatures: 60-232 psig (MINI); 60-175 psig (MIDI) at inlet temperatures 40-130°F. Please consult table below for volume flow correction factors to be used at non-standard operating conditions.



Ultrapac™ Smart Dryers – Replacement Elements & Desiccant Cartridges

Model Number	European Models (for reference)	Service Kit	Carepac
		Service Kit Item Number	Carepac Item Number
UPS03	0005	1C606060	1C606070
UPS06	0010	1C606060	1C606071
UPS09	0015	1C606060	1C606072
UPS12	0020	1C606060	1C606073
UPS15	0025	1C606060	1C606074
UPS20	0035	1C606065	1C606075
UPS30	0050	1C606065	1C606076
UPS40	0065	1C606067	1C606077
UPS50	0080	1C606068	1C606078
UPS60	0100	1C606068	1C606079

Oilfreepac™ Smart OFP Dryers – Replacement Elements & Desiccant Cartridges

Model Number	European Models (for reference)	Service Kit	Carepac
		Service Kit Item Number	Carepac Item Number
OFPS03	0005	1C606060	1C606360
OFPS06	0010	1C606060	1C606361
OFPS09	0015	1C606060	1C606362
OFPS12	0020	1C606060	1C606363
OFPS15	0025	1C606060	1C606364
OFPS20	0035	1C606065	1C606365
OFPS30	0050	1C606065	1C606366
OFPS40	0065	1C606067	1C606367
OFPS50	0080	1C606068	1C606368
OFPS60	0100	1C606068	1C606369

Ultrapac™ Smart Dryer Service Kit

1 Pre-filter element
1 After-filter element
1 Condensate drain KA 1/2
2 Solenoid valve kits
2 Shuttle valve balls
1 Set of gaskets

Ultrapac™ Smart Dryer Carepac

1 Service kit
Desiccant cartridges
Silencer cartridges

Oilfreepac™ Smart OFP Dryer Carepac

1 Service kit
Desiccant / Activated carbon cartridges
Silencer cartridges

ULTRAPAC™ 2000 HEATLESS DRYERS ACCESSORIES

Ultracac™ 2000 Heatless Dryers – Replacement Elements & Desiccant Cartridges

Model Number	Item Number			
	Desiccant Cartridges			Carepac
	Size	Qty	Each	Each
UP0003-60	10/2	2	1C979300	1C977181
UP0005-60	10/2	4	1C979300	1C977182
UP0010-60	10/2	6	1C979300	1C977183
UP0015-60	10/2	10	1C979300	1C977184
UP0020-60	10/4	4	1C979301	1C977185
UP0030-60	10/4	6	1C979301	1C977186
UP0040-60	10/4	8	1C979301	1C977187
UP0050-60	10/4	10	1C979301	1C977188
UP0060-60	10/4	12	1C979301	1C977189

Ultracac™ 2000 Heatless Dryers Carepac

Filter elements
O-Rings
Gasket
Desiccant cartridges
Cartridge lever (0020-60 to 0060-60)
Service kit



US OIL/WATER SEPARATORS

Model Number	Nominal Capacity of compressor	Oil adsorption capacity in gallons (gal)	Connection		Water filling volume in gallons (gal)		Item Number
			BSP/ Hose Connection				
	scfm		inlet	outlet	incl. elements	without elements	
US-3.5	123.6	1.06	1 x 1/2"	1 x 1/2"	1.71	2.64	1C329001
US-5	176.57	1.32	2 x 1/2"	1 x 1"	4.23	5.02	1C329002
US-10	353.1	2.64	2 x 1/2"	1 x 1"	8.45	1.32	1C329003
US-20	706.2	3.96	2 x 1/2"	1 x 1"	17.7	22.2	1C329004
US-30	1,059.4	6.60	2 x 1/2"	1 x 1"	33.8	39	1C329005
US-60 ¹	2,118.9	13.2	2 x 1/2"	1 x 1"	52.0	66.0	1C329006

US-Options and Spare Parts

Model Number	Carepac
US-3.5	1C329011
US-5	1C329012
US-10	1C329013
US-20	1C329014
US-30	1C329015
US-60	1C329016



DS OIL/WATER SEPARATOR SERVICE KITS & SPARE PARTS

Service Kits – Ultrasep Super Plus UFS-SP Oil/Water Separators

Models	European Models	Coalescing Element Kit	Ultrisorb Preadsorber and Activated Carbon
		Item Number	Item Number
UFSSP 0075	UFS-SP 5	1C331153	1C331154
UFSSP 0150	UFS-SP 7.5/10	1C330877	1C330821
UFSSP 0250	UFS-SP 15	1C330878	1C330831
UFSSP 0500	UFS-SP 30	1C330879	1C330841
UFSSP 1000	UFS-SP 60	1C330880	1C330851
UFSSP 2000	UFS-SP 120	2 X 1C330880	2 X 1C330851
UFSSP 4000	UFS-SP 240	4 X 1C330880	4 X 1C330851

Spare Parts – Ultrasep Classic and Ultrasep Plus Oil/Water Separators

Item	Models	Item Number
Ultrasep Classic Pre-adsorber and Activated Carbon	UFS3	1C300174
	UFS5	1C300182
Ultrasep Plus Activated Carbon	UFS7.5	1C330765
	UFS15	1C330766
	UFS30	1C330108
	UFS60	1C330116
	UFS120	2 x 1C330116
	UFS240	4 x 1C330116
Ultrasep Plus Coalescing Elements	UFS 7.5	1C330569
	UFS 30	1C330504
	UFS 60	2 x 1C330504
	UFS 120	4 x 1C330504

DS-Carepacs

Model Number	Carepac
DS0070	1C331016-63
DS0145	1C331037-63
DS0265	1C331038-63
DS0530	1C331039-63
DS1060	1C331040-63
DS2120	2 x 1C331040-63
DS4240	4 x 1C331040-63

UFM-D ZERO LOSS CONDENSATE DRAINS & SPARE PARTS

Ultramat UFM-D Zero Air-Loss Drain Valves

Model Number	Capacity (scfm)			Connection		Operating Temperature		Operating Pressure (psi)		Voltage¹ (V)	Item Number
	Compressor	Dryer	Filter	Inlet	Outlet	Min	Max	Min	Max		
UFM-D03	80	170	880	1/2" NPT	1/4" NPT	34°F	158°F	12	230	115	1C334500-63
				1/2" BSP	1/4" BSP					24	1C334501
UFM-D05	170	350	1,760	1/2" NPT	1/4" NPT	34°F	158°F	12	230	115	1C334510-63
				1/2" BSP	1/4" BSP					24	1C334511
UFM-D10	350	700	3,530	1/2" NPT	1/2" NPT	34°F	158°F	12	230	115	1C334520-63
				1/2" BSP	1/2" BSP					24	1C334521
UFM-D30	1,050	2,110	10,590	1/2" NPT	1/2" NPT	34°F	140°F	12	230	115	1C334430-63
				1/2" BSP	1/2" BSP					24	1C334431
UFM-D30 HP	1,050	2,110	10,590	1/2" NPT	1/2" NPT	34°F	140°F	12	588	115	1C334450-63
				1/2" BSP	3/8" BSP					24	1C334451
UFM-D130	4,590	9,180	45,900	3/4" NPT	1/2" NPT	34°F	140°F	12	230	115	1C334440-63
				3/4" BSP	1/2" BSP					24	1C334441

¹ The 115 volt models are also rated for 230 volt.

UFM-D Drains – Spare Parts

Item	Models	Item Number
Service Unit	Service Kit UFM-D03	1C334480-AS
	Service Kit UFM-D05	1C334481-AS
	Service Kit UFM-D10	1C334482-AS
	Service Kit UFM-D30	1C334463-AS
	Service Kit UFM-D130	1C334464-AS
Mounting Brackets	Bracket UFM-D03	1C334476
	Bracket UFM-D05	1C334476
	Bracket UFM-D10	1C334477
	Bracket UFM-D30	1C334478
	Bracket UFM-D130	1C334479

¹ Adapter could be used for converting BSP to NPT threads. BSP threads are standard on 24V and 230V drains.



CAPACITY CORRECTION EXAMPLES

The published standard capacities of compressed air filters and dryers are based on standard operating conditions. These standard conditions are typically:

- 100 psig inlet pressure
- 100°F inlet temperature
- 100°F ambient temperature
- 100% relative humidity

When these conditions vary, a given filter or dryer will be able to process either more or less compressed air than its stated standard capacity. There are two ways in which this information can be used. The first is to start with a specific filter or dryer and recalculate its capacity based on the known operating conditions. The second is to start with a given set of operating conditions and select the proper filter or dryer based on those conditions. The examples below demonstrate how to perform these calculations.

To Size the Dryer Capacity For Actual Conditions

Adjusted Capacity = scfm x C1 x C2	
To calculate the capacity of a given dryer based on non-standard operating conditions, multiply the standard capacity by the appropriate correction factor(s).	
EXAMPLE:	
Dryer Model	UP0060-60
Standard Capacity	60 scfm
Actual Operating Conditions	100°F inlet temperature: C1 = 1.0 150 psig system pressure: C2 = 1.38
Adjusted Capacity = 60 scfm x 1.0 x 1.38 = 82.8 scfm	

To Select The Dryer Model for Actual Conditions

Adjusted Capacity = scfm/C1/C2	
To choose a dryer based on a given flow at non-standard operating conditions, divide the given flow by the appropriate correction factor(s).	
EXAMPLE:	
Given Flow	34 scfm
100°F Inlet Temperature	C1 = 1.0
Actual Operating Conditions	150 psig system pressure: C2 = 1.38
Adjusted Capacity = 34 scfm / 1.0 / 1.38 = 24.6 scfm Selected Dryer Model: UP0030-60	

To Size the dF Model Capacity for Actual Conditions

Adjusted Capacity = scfm x C1 x C2	
To calculate the capacity of a given Donaldson DF Series filter based on non-standard operating conditions, multiply the standard capacity by the appropriate correction factor(s).	
EXAMPLE:	
Series Model	DF 0210 MK
Standard Capacity	123 scfm
Actual Operating Conditions	75 psig inlet pressure: C1 = 0.78 120°F inlet temperature: C2 = 0.94
Adjusted Capacity = 123 scfm x 0.78 x 0.97 = 90 scfm	

To Select the DF Model for Actual Conditions

Adjusted Capacity = scfm/C1/C2	
To choose a Donaldson DF Series filter based on a given flow at non-standard operating conditions, divide the given flow by the appropriate correction factor(s).	
EXAMPLE:	
Given Flow	500 scfm
Actual Operating Conditions	150 psig system pressure: C1 = 1.26 60°F inlet temperature: C2 = 1.14
Adjusted Capacity = 500 scfm / 1.26 / 1.14 = 348 scfm Selected Model: DF 0210 MK	

Refer to individual product brochures and data sheets located on www.donaldsonprocessfilters.com for more examples and details.

TERMS & CONDITIONS

Freight

- All shipments will be made FCA Donaldson shipping point
- Freight will be charged to the customer
- Delivery Lead Times
- Within 24 hours from stock:
 - Standard filter elements
 - Standard filter housings
 - Standard heatless desiccant dryers up to 60 scfm
 - Reference Donaldson DYNAMIC or contact Customer Service for current stock levels
- As quoted and after receipt of signed approval drawings:
 - Modified standard or large and special housings
 - All non-standard products

Payment Terms

- Net 30 days from the date of invoice

How To Order

- Orders can be placed online via **Shop.Donaldson.com**
- Submit purchase orders by:
 - Email: **foodandbeverage@donaldson.com**
 - Fax: 952-885-4791
- Contact Customer Service at **800-543-3634** for an electronic version of the order form

Returns and Restocking Charges

Return goods must be authorized by a Donaldson employee and returned to the Donaldson warehouse with approved authorization paperwork within the specified time. Return goods are subject to a minimum 20% restocking fee. Cancelled orders are subject to a minimum 20% cancellation fee.

Additional Terms of Sales

Unless you have an agreement signed by an authorized representative of Donaldson, this order is expressly limited to and conditioned upon customer's acceptance of Donaldson's Terms of Sale ("Terms"), a current copy of which is located at termsofsale.donaldson.com. These terms are incorporated herein by reference. By placing and/or paying for an order, Customer accepts these Terms. If you need a reprint of the Terms in place at the time of Order, please contact us.

Product Information

For more information on our products:

Visit our website at: www.donaldsonprocessfilters.com

Email us at: foodandbeverage@donaldson.com

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