FH-Series Sanitary Housings

Applications

• Used for separating solid matter from liquids in the food processing, beverage, dairy, wineries and breweries, personal care products, and chemical markets

Sizes

- Port connection: 1" 4"
- Number of elements: 1, 3, 5, 7, 12, and 21
- Cartridge element lengths: 10", 20", 30", and 40"

Features

- Single-cartridge element housings utilize a heavy-duty stainless clamp closure for ease of element changes
- Multiple cartridge element housings feature a swing bolt closure to ensure positive sealing
- High purity construction assures dependable protection for critical process applications
- Custom OEM designs available
- · Large variety of cartridge elements available to meet your application needs

Materials

- Product contact: 316L Stainless Steel
- 32R OD polish; 25R ID polish
- · Silicone O-ring seals standard; FKM and EPDM optional

Specifications

- 150 PSI working pressure at 300°F (149°C)
- 1½" clamp vent/gauge connection standard
- ½" clamp drain connection standard
- 222 or 226 cartridge elements
- Clamp connections standard; for optional connections call Dixon Group Canada Limited

# of Elements	Element Length	Element Type	Connection Size	Connections Type	Seal Material	Part #
1	10"	222	1"	Clamp	Silicone	FH-1-10A10CS
1	20"	222	1"	Clamp	Silicone	FH-1-20A10CS
1	30"	222	1"	Clamp	Silicone	FH-1-30A10CS
3	30"	222	2"	Clamp	Silicone	FH-3-30A20CS
5	30"	222	2"	Clamp	Silicone	FH-5-30A20CS
7	30"	222	2"	Clamp	Silicone	FH-7-30A20CS
12	30"	222	3"	Clamp	Silicone	FH-12-30A30CS
1	10"	226	1"	Clamp	Silicone	FH-1-10B10CS
1	20"	226	1"	Clamp	Silicone	FH-1-20B10CS
1	30"	226	1"	Clamp	Silicone	FH-1-30A10CS
3	30"	226	2"	Clamp	Silicone	FH-3-30B20CS
5	30"	226	2"	Clamp	Silicone	FH-5-30B20CS
7	30"	226	2"	Clamp	Silicone	FH-7-30B20CS
12	30"	226	3"	Clamp	Silicone	FH-12-30B30CS

Part number key on reverse side.







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Dixon Filter Housing Part Number Key		Filter	Element Quantity		Element Length	Element Type	Connection Size	Connection Type	Seat Material
		FH-	1	-	10	Α	10	С	S
Element Quantity	Code								
1	1								
3	3								
5	5								
7	7								
12	12								
21	21								
Element Length	Code								
10"	10	◀							
20"	20								
30"	30								
40"	40								
Element Type	Code								
222	Α	◀							
226	В								
Connection Size	Code								
1″	10	◀							
1½″	15								
2"	20								
3″	30								
4"	40								
Connection Type	Code								
Clamp	С								
Others available									
Seal Material	Code								
Silicone (standard)	S								
FKM	V								
EPDM	E								

NOTE: Cartridge elements are not included with the filter housings and must be ordered separately.

There are many more options, including industrial housings. Please call Dixon Group Canada Limited 877.963.4966 for further information.

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FH-Series Industrial Filter Housings

FH-CSB-Series Clamp Single Bag Housing

Sizes

• #1, #2, #3, #4, and #12

Features

- Heavy duty stainless clamp closure with ergonomic grip allows for tool free bag changes
- Differential/vent connections
- · Finish: acid wash with electropolish exterior

Materials

- 304, 316, or 316L stainless steel
- · 316 stainless steel restrainer basket with 9/64" perforations
- Stainless adjustable legs
- Standard EPDM O-ring seal

Specifications

• 150 PSI design pressure; 100 PSI operating pressure

FH-CM-Series Clamped Multi-Bag Housing

Features

- Holds 2 to 12 filter bags
- RAPID-LOK Quick clamp opening mechanism for fast bag changes
- · Counter balanced spring assist lift for ease of operation
- Differential/drain/vent connections
- · Stainless 3-point bag locks for positive sealing
- · Recessed lip prevents spills during bag changes

Materials

- · Carbon steel, 304 or 316L stainless steel
- Industry size #2 316 stainless steel restrainer baskets with 9/64" perforations
- Standard buna-N seals
- Finish: 2-part epoxy on carbon steel / passivation and glass bead on 304 and 316 stainless steel

Specifications

- 150 PSI maximum working pressure
- Hydro-tested at 225 PSI
- ANSI 150# R.F. flanged connections (others available on request)

FH-BMB-Series Bolted Multi-Bag Housing

Features

- · Holds 2 to 23 filter bags
- Eye-nut/swing bolt closure for high pressure safety
- · Davit lift cover with bearing assist for ease of operation
- Differential/drain/vent connections
- · Stainless 3-point bag locks for positive sealing
- · Recessed lip prevents spills during bag changes

Materials

- Carbon steel, 304 or 316 stainless steel
- Industry size #2 316 stainless steel restrainer baskets with 9/64" perforations
- Standard buna-N seals
- Finish: 2-part epoxy on carbon steel / passivation and glass bead on 304 and 316 stainless steel

Specifications

- 150 PSI maximum working pressure
- Hydro-tested at 225 PSI
- ANSI 150# R.F. flanged connections (others available on request)



BMB-Series

CSB-Series

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CM-Series



FH-CM-Series Clamped Multi-Round Cartridge Element Housings

Features

- Heavy duty stainless clamp closure with ergonomic grip allows for tool free cartridge changes
- Accepts 10" thru 40" length elements (2-3/4" OD maximum) universal cups and compression top
 plate accepts DOE, 222-Flat, or 222-Fin style cartridges
- Differential/drain/vent connections
- Finish: acid wash with electropolish exterior

Materials

- 304, 316, or 316L stainless steel
- Standard EPDM O-ring seals

Specifications

- 150 PSI design pressure
- 300°F (148°C) maximum temperature



CM-Series

FH-BM-Series Bolted Multi-Round Cartridge Element Housings

Features

- · Heavy duty eye bolt closure for positive sealing and safety
- · Accepts 10" thru 40" length elements (2-3/4" OD maximum)
- · Universal cups and compression top plate accepts DOE, 222-Flat, or 222-Fin style cartridges
- · Bearing assist davit lift cover on all housings over 22 elements
- · Differential/drain/vent connections standard
- · Finish: passivated with bead blast finish

Materials

- · Carbon steel, 304 or 316 stainless steel
- Standard buna-N O-ring seals

Specifications

- 150 PSI design pressure
- 300°F (148°C) maximum temperature

FH-CS-Series Clamped Single Cartridge Element Housings

Features

- · Heavy duty clamp closure for tool free element changes
- Standard design accepts DOE and 222 style cartridges (2-3/4" OD maximum)
- · 316 stainless steel ergonomic threaded nut accommodates different length elements
- (9-3/4" vs. 10", etc.)
- Drain/vent connections
- · Finish: passivated with bead blast finish

Materials

- · 304, 316, or 316L stainless steel
- EPDM O-ring seals
- Stainless mounting bracket standard

Specification

• 150 PSI maximum working pressure



CS-Series

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BM-Series

DF-Series Cartridge Elements

Melt Blown Quad Pro Series Cartridge Elements

Sizes

- Diameters: 2½" (standard) or 4½"
- · Cartridge element lengths: 9.75" to 50"

Features

- FDA title 21 compliant
- No glue or binders
- Low pressure drop
- · 4 zone technology within cartridge allows for high dirt loading
- · Available in industry standard end connections

Materials

- · Cartridge element: polypropylene
- Gasket/O-ring: Buna, FKM, PTFE, silicone, neoprene, EPDM, and Polyfoam; no selection required for double open ended (DOE) cartridge elements

Specifications

- Maximum forward differential pressure: 40 PSID (1.7 bar) at 155°F (66°C)
 - 60 PSID (3.4 bar) at 86°F (30°C)
- · Recommended change out differential pressure: 35 PSID (2.4 bar)
- Micron ratings: 1, 5, 10, 20, 25, 30, 50, 75, and 100

Element Length	Style	Micron	Materials	Case Qty	Part #
10"	DOE / 4-Zone	1	Polypropylene	30	DF-BEKS2S1
10"	DOE / 4-Zone	10	Polypropylene	30	DF-BEOS2S1
10"	DOE / 4-Zone	50	Polypropylene	30	DF-BEUS2S1
10"	DOE / 4-Zone	100	Polypropylene	30	DF-BETS2S1
20"	DOE / 4-Zone	1	Polypropylene	15	DF-BEKS5S1
20"	DOE / 4-Zone	10	Polypropylene	15	DF-BEOS5S1
20"	DOE / 4-Zone	50	Polypropylene	15	DF-BEUS5S1
20"	DOE / 4-Zone	100	Polypropylene	15	DF-BETS5S1
30"	DOE / 4-Zone	1	Polypropylene	15	DF-BEKS7S1
30"	DOE / 4-Zone	10	Polypropylene	15	DF-BEOS7S1
30"	DOE / 4-Zone	50	Polypropylene	15	DF-BEUS7S1
30"	DOE / 4-Zone	100	Polypropylene	15	DF-BETS7S1

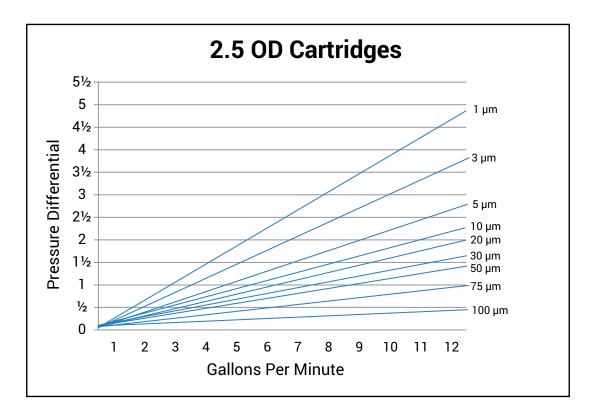




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Quad Pro Flow Rates vs. Differential Pressure Chart



NOTE: This chart exemplifies normal flow rate for a cartridge length of 10" with water at an ambient temperature as the test fluid. Cartridge length does not cause change in differential pressure, but increasing flow across the housing does.

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Dixon Melt Blown Filter Part Number Key		Filter DF-	Type B	Core Material E	Micron K	Diameter S	Length 2	Series S	End Cap	Gasket/O-Rin
Filter Type	Code						Ī	Ī		
Melt blown	В	◄								
Core Material	Code									
Polypropylene	E									
Micron	Code									
1	К	◄								
5	N									
10	0									
20	Q									
25	R									
30	S									
50	U									
75	V									
100	T									
Diameter	Code									
2½" (standard)	S									
4½"	M									
4 ⁷² Custom										
	Code									
Length 9¾"										
	1									
9%"	2	-								
10"	3									
19½"	4									
20"	5									
29¼"	6									
30"	7									
39"	8	-								
40"	9									
50"	10									
Custom	13									
Series	Code									
Quad Pro (standard)	S	◄								
Quad Deluxe	Х									
Quad Elite	Α									
Quad Ro	R									
End Cap	Code									
DOE/No Caps (standard)	1									
222/Fin	2	1								
222/Spring	3									
222/Closed	4									
226/Closed	5									
226/Fin	6									
226/Spring	7									
SOE/Spring	8									
DOE/Gasket	9		NOTE	E: There are ma						
Custom	A			and cartridge						
Core Extender	E			manufacture						
Core Extender/Spring	F			with other ma						up
Gasket/O-ring	Code			Canada Limit	ed 877.9	63.4966 fo	or furthe	r inform	ation.	
DOE - No Gasket / Cap (standard)	Blank									
Buna	В									
FKM	В V									
			.							
PTFE	T	Sold in standard case quantities only • 10" and under are 30pcs/case								
Silicone	S									
Neoprene	N	 19½" thru 30" are 15pcs/case 39" and above are determined at time of quote 								
EPDM	E		• 39	^{and} above ar	e determ	ined at tin	ne of quo	ote		
Polyform	P								C	

High-Efficiency Pleated Cartridge Elements

Sizes

- Diameter: 2.65"
- · Cartridge element lengths: 9.75" to 40"

Features

- FDA title 21 compliant
- Cartridge elements are constructed in a clean room environment
- · Cartridge elements are free of surfactants, resins, binders, and adhesives

Materials

- · Cartridge element: polypropylene
- · Gasket/O-ring: Buna, FKM, PTFE, silicone, neoprene, and EPDM

Specifications

- Retention rating of 99.98%
- Recommended change out differential pressure: 35 PSID (2.4 bar)
- Micron ratings: .2, .45, 1, 3, 5, 10, 25, and 50
- Available in hard cage (standard) or netted cage

Element Length	Style	Micron	Material	Case Qty	Part #
10"	Hard Cage/DOE/Gasket	.45	Polypropylene/Silicone	6	DF-PHEBF39S
10"	Hard Cage/DOE/Gasket	1	Polypropylene/Silicone	6	DF-PHEBK39S
20"	Hard Cage/DOE/Gasket	.45	Polypropylene/Silicone	6	DF-PHEBF59S
20"	Hard Cage/DOE/Gasket	1	Polypropylene/Silicone	6	DF-PHEBK59S
30"	Hard Cage/DOE/Gasket	.45	Polypropylene/Silicone	6	DS-PHEBF79S
30"	Hard Cage/DOE/Gasket	1	Polypropylene/Silicone	6	DF-PHEBK79S
10"	Hard Cage/222/Closed	.45	Polypropylene/Silicone	6	DF-PHEBF34S
10"	Hard Cage/222/Closed	1	Polypropylene/Silicone	6	DF-PHEBK34S
20"	Hard Cage/222/Closed	.45	Polypropylene/Silicone	6	DF-PHEBF54S
20"	Hard Cage/222/Closed	1	Polypropylene/Silicone	6	DF-PHEBK54S
30"	Hard Cage/222/Closed	.45	Polypropylene/Silicone	6	DF-PHEBF74S
30"	Hard Cage/222/Closed	1	Polypropylene/Silicone	6	DF-PHEBK74S
10"	Hard Cage/226/Fin	.45	Polypropylene/Silicone	6	DF-PHEBF36S
10"	Hard Cage/226/Fin	1	Polypropylene/Silicone	6	DF-PHEBK36S
20"	Hard Cage/226/Fin	.45	Polypropylene/Silicone	6	DF-PHEBF56S
20"	Hard Cage/226/Fin	1	Polypropylene/Silicone	6	DF-PHEBK56S
30"	Hard Cage/226/Fin	.45	Polypropylene/Silicone	6	DF-PHEBF76S
30"	Hard Cage/226/Fin	1	Polypropylene/Silicone	6	DF-PHEBK76S





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Dixon Pleated High Efficien Part Number Key	cy Filter		Туре	Core Material	Efficiency	Micron	Length	End Cap	Gasket/ O-Ring	18 Mega OHM Rinse
		DF-	PH	E	B	F	1	9	S	R
Filter Type	Code	_								
Pleated high efficiency	PH	•	I							
Core Material	Code	_								
Polypropylene	E	-								
Efficiency	Code	_								
90%	A	_								
99.98% (standard)	B									
Micron	Code	_								
0.20	D	_								
0.45	F									
1.00	К	_								
3.00	M	_								
5.00	N	_								
10.00	0	_								
25.00	R	_								
50.00	U	_								
Length	Code									
9¾"	1	-								
10"	3	_								
19½"	4	_								
20"	5	-								
29¼" 30"	6 7	_								
30 39"		_								
40"	8	-								
	9 Code	_								
End Cap DOE/Plastisol		_								
222/Fin	1	_								
	3	_								
222/Spring 222/Closed	4	-								
226/Closed	4 5	-								
226/Fin	5 6	-								
226/Spring	7	_								
SOE/Spring	8	-								
DOE/Gasket (standard)	9									
Custom	A	-								
Gasket/O-ring	Code	_								
Buna	B	-								
FKM	V	-								
PTFE	T	-								
Silicone (standard)	S									
Neoprene	N	1								
EPDM	E	-								
Options	Code	-								
18 mega OHM rinse	R									

NOTE: All sizes are 6pcs/case and sold in case quantities only.

There are many more options, including industrial housing and cartridge elements. All cartridge elements are manufactured to industry standards and are interchangeable with other manufacturers' products. Please call Dixon Group Canada Limited 877.963.4966 for further information.

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PES Membrane Elements

Sizes

- · Diameters: 2.65" OD; 1" center ID
- · Cartridge element lengths: 10" to 40"

Features

- FDA title 21 compliant
- · Cartridge elements are constructed in a clean room environment
- · Cartridge elements have excellent dirt holding capacity with low flow resistance
- Cartridge elements are free of surfactants, resins, binders, and adhesives
- · Low protein binding and chemical compatibility
- Naturally hydrophilic media does not need wetting before use

Materials

- · Cartridge element: polyethersulfone; core material: polypropylene
- · Gasket/O-ring: Buna, FKM, PTFE, silicone, neoprene, and EPDM

Specifications

- Maximum differential pressure: 45 PSID
- Maximum operating pressure: 45 PSID
- Micron ratings: .1, .22, .45, .60, .80, 1.2, and 5.0

Element Length	Style	Micron	Material	Case Qty	Part #
10"	Hard Cage/222/Closed	.22	Polyethersulfone/ Polypropylene/Silicone	6	DF-PESE3E4S
10"	Hard Cage/222/Closed	.45	Polyethersulfone/ Polypropylene/Silicone	6	DF-PESD3E4S
20"	Hard Cage/222/Closed	.22	Polyethersulfone/ Polypropylene/Silicone	6	DF-PESE5E4S
20"	Hard Cage/222/Closed	.45	Polyethersulfone/ Polypropylene/Silicone	6	DF-PESF5E4S
30"	Hard Cage/222/Closed	.22	Polyethersulfone/ Polypropylene/Silicone	6	DF-PESE7E4S
30"	Hard Cage/222/Closed	.45	Polyethersulfone/ Polypropylene/Silicone	6	DF-PESF7E4S
10"	Hard Cage/226/Fin	.22	Polyethersulfone/ Polypropylene/Silicone	6	DF-PESE3E6S
10"	Hard Cage/226/Fin	.45	Polyethersulfone/ Polypropylene/Silicone	6	DF-PESF3E6S
20"	Hard Cage/226/Fin	.22	Polyethersulfone/ Polypropylene/Silicone	6	DF-PESE5E6S
20"	Hard Cage/226/Fin	.45	Polyethersulfone/ Polypropylene/Silicone	6	DF-PESF5E6S
30"	Hard Cage/226/Fin	.22	Polyethersulfone/ Polypropylene/Silicone	6	DF-PESE7E6S
30"	Hard Cage/226/Fin	.45	Polyethersulfone/ Polypropylene/Silicone	6	DF-PESF736S





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Dixon Polyethersufone Filter Part Number Key		Filter	Туре	Micron	Length	Core Material	End Cap	Gasket/O-Ring	18 Mega OHM Rinse
		DF-	PES	Е	3	Е	2	S	R
Filter Type	Code								
Pleated high efficiency	PES	_							
Micron	Code								
0.10	С								
0.22	E	_							
0.45	F								
0.60	Н								
0.80	J								
1.20	L								
5.00	N	1							
Length	Code								
10"	3	_							
20"	5								
30"	7								
40"	9								
Core Material	Code								
Polypropylene	E	┫							
End Cap	Code								
222/Fin	2								
222/Closed	4								
226/Closed	5								
226/Fin	6								
DOE/Gasket	9								
Gasket/O-ring	Code								
Buna	В								
FKM	V	1							
PTFE	Т	1							
Silicone (standard)	S								
Neoprene	N	1							
EPDM	E	1							
Option	Code	1							
18 mega OHM rinse	R								

NOTE: All sizes are 6pcs/case and sold in case quantities only.

There are many more options, including industrial housing and cartridge elements. All cartridge elements are manufactured to industry standards and are interchangeable with other manufacturers' products. Please call Dixon Group Canada Limited 877.963.4966 for further information.

