

TECHNICAL SHEET

STAINLESS STEEL
HOUSINGS FOR
CARTRIDGES AND BAGS



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PENTAIR STAINLESS STEEL HOUSINGS FOR CARTRIDGES AND BAGS

TECHNICAL CHARACTERISTICS

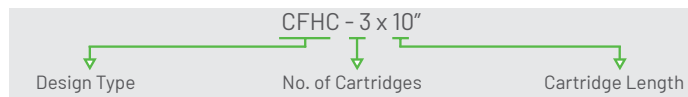
- Designed for ease in handling, change-over & use
- Mirror polished or sand blast external surface
- Accommodates 10 to 40 inch cartridges with various end caps
- Clamp, flange & davit designs to suit different requirements
- Construction in SS 304 & SS 316L
- MSRL & specialty material available on request
- For bag filter housings single/multiple bags can be accommodated
- Drain & vent port available
- Option of 7 bar, 10 bar & 14 bar pressure rating
- Durable housings for commercial, industrial & municipal applications
- CE certified



CARTRIDGE FILTER HOUSING

Design Type:

- 1) CFHC - Clamp Type
- 2) CFHF - Flange Type
- 3) CFHF(HP) - Flange Type High Pressure
- 4) CFHD - Davit Type



NOTE - Available with Inlet, Outlet, Drain & Vent - BSPF / NPTF threading or ANSI - Flange depending on size for all design type.

BAG FILTER HOUSING

Design Type:

- 1) BFHC - Clamp Type
- 2) BFHF - Flange Type
- 3) BFHF(HP) - Flange Type High Pressure



NOTE - Available with Inlet, Outlet, Drain & Vent - BSPF / NPTF threading or ANSI - Flange depending on size for all design type.

TECHNICAL SPECIFICATIONS OF HOUSINGS FOR CARTRIDGES

Model Description	Recommended Flow @ 1 m ³ /hr per 10" Cartridge - m ³ /hr	No of Cartridges	Inlet/Outlet Opening	Drain - (NPT Female)	Vent - (NPT Female)	Internal Diameter (mm)
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CFHC - Clamp Type / Working Pressure: 7 bar



CFHC - 3 x 10"	3	3 of 10"	1 1/2" (Threaded)	1/2"	1/4"	170
CFHC - 3 x 20"	6	3 of 20"	1 1/2" (Threaded)	1/2"	1/4"	170
CFHC - 3 X 30"	9	3 of 30"	2" (Threaded)	1/2"	1/4"	170
CFHC - 3 X 40"	12	3 of 40"	2" (Threaded)	1/2"	1/4"	170
CFHC - 5 X 10"	5	5 of 10"	1 1/2" (Threaded)	1/2"	1/4"	200
CFHC - 5 x 20"	10	5 of 20"	1 1/2" (Threaded)	1/2"	1/4"	200
CFHC - 5 X 30"	15	5 of 30"	2" (Threaded)	1/2"	1/4"	200
CFHC - 5 X 40"	20	5 of 40"	2" (Threaded)	1/2"	1/4"	200
CFHC - 7 X 10"	7	7 of 10"	2" (Threaded)	1/2"	1/4"	250
CFHC - 7 X 20"	14	7 of 20"	2" (Threaded)	1/2"	1/4"	250
CFHC - 7 X 30"	21	7 of 30"	3" (Threaded)	1/2"	1/4"	250
CFHC - 7 X 40"	28	7 of 40"	3" (Threaded)	1/2"	1/4"	250

CFHF - Flange Type / Working Pressure: 7 bar



CFHF - 5 x 10"	5	5 of 10"	1 1/2" (Threaded)	1/2"	1/4"	200
CFHF - 5 x 20"	10	5 of 20"	1 1/2" (Threaded)	1/2"	1/4"	200
CFHF - 5 x 30"	15	5 of 30"	2" (Threaded)	1/2"	1/4"	200
CFHF - 5 x 40"	20	5 of 40"	2" (Threaded)	1/2"	1/4"	200
CFHF - 7 x 10"	7	7 of 10"	2" (Threaded)	1/2"	1/4"	250
CFHF - 7 x 20"	14	7 of 20"	2" (Threaded)	1/2"	1/4"	250
CFHF - 7 x 30"	21	7 of 30"	2 1/2" (Threaded)	1/2"	1/4"	250
CFHF - 7 x 40"	28	7 of 40"	2 1/2" (Threaded)	1/2"	1/4"	250
CFHF - 11 x 30"	33	11 of 30"	3" (Flanged)	1/2"	1/4"	300
CFHF - 11 x 40"	44	11 of 40"	3" (Flanged)	1/2"	1/4"	300
CFHF - 15 x 30"	45	15 of 30"	3" (Flanged)	3/4"	1/4"	350
CFHF - 15 x 40"	60	15 of 40"	3" (Flanged)	3/4"	1/4"	350
CFHF - 19 x 30"	57	19 of 30"	3" (Flanged)	3/4"	1/4"	400
CFHF - 19 x 40"	76	19 of 40"	3" (Flanged)	3/4"	1/4"	400

CFHF - Big Blue / Working Pressure: 10 bar



CFHF (Dia - 4 1/2) 1 x 40"	30	1 of 40"	2" (Flanged)	1/2"	1/4"	200
CFHF (Dia - 4 1/2) 2 x 40"	60	2 of 40"	3" (Flanged)	3/4"	1/4"	400
CFHF (Dia - 4 1/2) 3 x 40"	90	3 of 40"	4" (Flanged)	3/4"	1/4"	500
CFHF (Dia - 4 1/2) 4 x 40"	120	4 of 40"	4" (Flanged)	1"	1/4"	550
CFHF (Dia - 4 1/2) 5 x 40"	150	5 of 40"	4" (Flanged)	1"	1/4"	600

Model Description	Recommended Flow @ 1.0 m ³ /hr per 10" Cartridge - m ³ /hr	No of Cartridges	Inlet/Outlet Opening	Drain - (NPT Female)	Vent - (NPT Female)	Internal Diameter (mm)
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CFHF(HP) – Flange Type, High Pressure / Working Pressure:10 bar (Housing <7 elements comes with hinge joint)



CFHF(HP) - 5 x 10"	5	5 of 10"	1 1/2" (Flanged)	1/2"	1/4"	200
CFHF(HP) - 5 x 20"	10	5 of 20"	1 1/2" (Flanged)	1/2"	1/4"	200
CFHF(HP) - 5 x 30"	15	5 of 30"	2" (Flanged)	1/2"	1/4"	200
CFHF(HP) - 5 x 40"	20	5 of 40"	2" (Flanged)	1/2"	1/4"	200
CFHF(HP) - 7 x 10"	7	7 of 10"	2" (Flanged)	1/2"	1/4"	250
CFHF(HP) - 7 x 20"	14	7 of 20"	2" (Flanged)	1/2"	1/4"	250
CFHF(HP) - 7 x 30"	21	7 of 30"	2 1/2" (Flanged)	1/2"	1/4"	250
CFHF(HP) - 7 x 40"	28	7 of 40"	2 1/2" (Flanged)	1/2"	1/4"	250
CFHF(HP) - 11 x 30"	33	11 of 30"	3" (Flanged)	3/4"	1/4"	300
CFHF(HP) - 11 x 40"	44	11 of 40"	3" (Flanged)	3/4"	1/4"	300
CFHF(HP) - 15 x 30"	45	15 of 30"	3" (Flanged)	3/4"	1/4"	350
CFHF(HP) - 15 x 40"	60	15 of 40"	3" (Flanged)	3/4"	1/4"	350
CFHF(HP) - 19 x 30"	57	19 of 30"	4" (Flanged)	3/4"	1/4"	400
CFHF(HP) - 19 x 40"	76	19 of 40"	4" (Flanged)	3/4"	1/4"	400
CFHF(HP) - 27 x 30"	81	27 of 30"	4" (Flanged)	3/4"	1/4"	450
CFHF(HP) - 27 x 40"	108	27 of 40"	4" (Flanged)	3/4"	1/4"	450

CFHD – Davit Type / Working Pressure: 10 bar



CFHD - 11 x 30"	33	11 of 30"	3" (Flanged)	1/2"	1/4"	300
CFHD - 11 x 40"	44	11 of 40"	3" (Flanged)	1/2"	1/4"	300
CFHD - 15 x 30"	45	15 of 30"	3" (Flanged)	3/4"	1/4"	350
CFHD - 15 x 40"	60	15 of 40"	3" (Flanged)	3/4"	1/4"	350
CFHD - 19 x 30"	57	19 of 30"	4" (Flanged)	3/4"	1/4"	400
CFHD - 19 x 40"	76	19 of 40"	4" (Flanged)	3/4"	1/4"	400
CFHD - 27 x 30"	81	27 of 30"	4" (Flanged)	3/4"	1/4"	450
CFHD - 27 x 40"	108	27 of 40"	4" (Flanged)	3/4"	1/4"	450
CFHD - 30 x 30"	90	30 of 30"	4" (Flanged)	1"	1/4"	500
CFHD - 30 x 40"	120	30 of 40"	4" (Flanged)	1"	1/4"	500
CFHD - 36 x 30"	108	36 of 30"	4" (Flanged)	1"	1/4"	550
CFHD - 36 x 40"	144	36 of 40"	4" (Flanged)	1"	1/4"	550
CFHD - 40 x 30"	120	40 of 30"	4" (Flanged)	1"	1/4"	600
CFHD - 40 x 40"	160	40 of 40"	4" (Flanged)	1"	1/4"	600
CFHD - 50 x 30"	150	50 of 30"	6" (Flanged)	1"	1/2"	650
CFHD - 50 x 40"	200	50 of 40"	6" (Flanged)	1"	1/2"	650
CFHD - 60 x 30"	180	60 of 30"	6" (Flanged)	1"	1/2"	700
CFHD - 60 x 40"	240	60 of 40"	6" (Flanged)	1"	1/2"	700
CFHD - 75 x 30"	225	75 of 30"	6" (Flanged)	1 1/2"	1/2"	750
CFHD - 75 x 40"	300	75 of 40"	6" (Flanged)	1 1/2"	1/2"	750
CFHD - 80 x 30"	240	80 of 30"	6" (Flanged)	1 1/2"	1/2"	800
CFHD - 80 x 40"	320	80 of 40"	6" (Flanged)	1 1/2"	1/2"	800
CFHD - 100 x 30"	300	100 of 30"	6" (Flanged)	1 1/2"	1/2"	900
CFHD - 100 x 40"	400	100 of 40"	6" (Flanged)	1 1/2"	1/2"	900
CFHD - 120 x 30"	360	120 of 30"	8" (Flanged)	1 1/2"	1/2"	1000
CFHD - 120 x 40"	480	120 of 40"	8" (Flanged)	1 1/2"	1/2"	1000
CFHD - 140 x 30"	420	140 of 30"	8" (Flanged)	2"	1/2"	1100
CFHD - 140 x 40"	560	140 of 40"	8" (Flanged)	2"	1/2"	1100
CFHD - 160 x 30"	480	160 of 30"	8" (Flanged)	2"	1/2"	1200
CFHD - 160 x 40"	640	160 of 40"	8" (Flanged)	2"	1/2"	1200

TECHNICAL SPECIFICATIONS OF HOUSINGS FOR BAGS

Model	Bag size*	Inlet/Outlet	Flow Rate (m ³ /h)	Diameter (mm)	Thickness (mm)
BFHC - Clamp Type - Single Bag / Working pressure: 7 bar					



BFHC -1	1	2"	15	200	2
BFHC -2	2	2"	30	200	2
BFHC -3	3	1"	4	114	2
BFHC -4	4	1"	7	114	2

BFHF - Flange Type - Single Bag / Working Pressure: 10 bar



BFHF -1	1	2"	15	219	2
BFHF -2	2	2"	30	219	2
BFHF -3	3	1"	4	114	2
BFHF -4	4	1"	7	114	2

BFHF(HP) - Flange Type - Single Bag / High Pressure: 14 bar



BFHF(HP)-1	1	2" Flange	15	219	2
BFHF(HP)-2	2	2" Flange	30	219	2

*FILTER BAG SIZE (OD X LENGTH)

Standard #1	Standard #2	Standard #3	Standard #4
182 mm x 450 mm (7 1/8" x 17,7")	182 mm x 812 mm (7 1/8" x 32")	105 mm x 230 mm (4 1/8" x 9")	105 mm x 380 mm (4 1/8" x 15")

Model	Number of bags	Inlet/Outlet	Flow Rate (m ³ /h)	Diameter (mm)	Thickness (mm)
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BFHM - Multi Bag / Working Pressure: 10 bar



BFHM - 2 - 2	2	3"	60	450	3
BFHM - 2 - 3	3	3"	105	500	3
BFHM - 2 - 4	4	4"	120	550	3
BFHM - 2 - 4	4	4"	120	600	3
BFHM - 2 - 5	5	5"	150	650	3
BFHM - 2 - 6	6	5"	180	700	3
BFHM - 2 - 7	7	6"	210	750	4
BFHM - 2 - 8	8	6"	240	800	4
BFHM - 2 - 10	10	6"	300	900	4
BFHM - 2 - 12	12	8"	360	1000	5
BFHM - 2 - 12	12	8"	360	1000	6
BFHM - 2 - 16	16	8"	480	1100	6
BFHM - 2 - 18	18	10"	540	1200	6

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