

高压气体过滤器

FN系列

金属型滤芯

高压气体过滤器

FS系列

尺寸参数 Dimensions

6,000 psi
10,000 psi
15,000 psi

Dimension Fitting Size Model
A=2.375" 1/8" or 1/4" A=3.50" 41-1
3.000" 3/8" or 1/2" 4.47" 41-2
2.564" 1/2" MS33656

Filter Mounting Top View

技术参数 Specifications

壳体材料 Housing Material: 316 Stainless Steel

滤芯 Element Media:
 不锈钢网 304 Stainless Steel Mesh: 10, 18, 25, 75, 150, and 300 micron abs.
 不锈钢网烧结 316 Stainless Sintered: 0.5, 1, 3 and 7 micron abs.
 玻璃纤维 Glass Fiber: 3, 5 and 10 micron abs.

Flow Rate:
 41-1: 1.5 gpm (w/ 100 SSU oil)
 105 scfm (@ 6,000 psi GN2)
 41-2: 2.5 gpm (w/ 100 SSU oil)
 175 scfm (@ 6,000 psi GN2)

操作压力 Operating Pressure: 6,000 psi 10,000 psi 15,000 psi
 测试压力 Proof Pressure: 9,000 psi 15,000 psi 22,500 psi
 爆破压力 Burst Pressure: 24,000 psi 40,000 psi 60,000 psi
 壳体温度 Housing Temperature: 1,000°F

元件温度范围 Element Temperature Range:
 304 Stainless Mesh: -254°C to +538°C
 316 Stainless Sintered: -254°C to +538°C
 Glass Fiber: -57°C to +1,649°C

O形圈温度范围 O-Ring Temperature Range:
 Buna-N: -40°C to +121°C
 Viton: -29°C to +177°C
 Ethylene Propylene: -54°C to +205°C
 Teflon™: -100°C to +205°C
 Kalrez™: -40°C to +316°C

订货信息

Flow	Code	Fitting Size	Code	Fitting Type	Code	Micron & Material	Collapse Rating	O-Ring Material	Bowl Drain
1 1.5 g.p.m.	2	1/8"	C	Compression	0.5	0.5 Abs.316 S.S. Sintered	C 3250(Glass)	L Buna-N	DR-1 1/8"NPT
2 2.5 g.p.m.	4	1/4"	P	NPT Female	1	1 Abs.316 S.S. Sintered	F 2000(316 S.S.)	N Viton	
	6	3/8"	M	NPT Male	3	3 Abs.316 S.S. Sintered	V 4500(304 S.S.)	E Ethylene Propylene	
	8	1/2"	F	MS33656	7	7 Abs.316 S.S. Sintered		M Teflon™	
	250	1/4"m/p"	S	MS33649*	3F	3 Abs.Glass		K 90 Durometer Nitrile	
	375	3/8"m/p"	*Not available in 1/2"		5F	5 Abs.Glass		H Kalrez™	
	500	1/2"m/p"	Ferrule and nut kits available upon request		10F	10 Abs.Glass		*10,000 psi max.	
					10A	10 Abs.304 Wire mesh			
					18A	18 Abs.304 Wire mesh			
					25A	25 Abs.304 Wire mesh			
					75A	75 Abs.304 Wire mesh			
					150A	150 Abs.304 Wire mesh			
					300A	300 Abs.304 Wire mesh			

How to order: 6,000 psi:41, 10,000 psi:141, 15,000 psi: 341

Replacement Elements:

Flow	Code	Material
ME1 1.5 g.p.m.	G	304 Woven Wire Mesh
ME1 2.5 g.p.m.	F	Micro-glass
	P	316 S.S. Sintered

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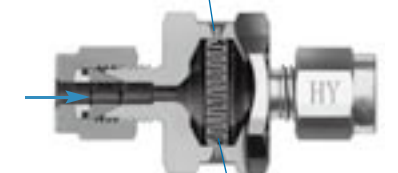
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#07-15 Midview Building
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特点 Features

All-Welded In-line Filters (FSFW 型)

- All-welded construction provides reliable fluid containment.
- In-line filters are for use where space is limited.
- Filter is easily cleaned by backflushing.
- Sintered element is available in 0.5 µm nominal pore size; pleated mesh elements are available in 2, 7, and 15 µm nominal pore sizes.
- End connections include Swagelok tube fittings, NPT, and male VCR® face seal fittings.

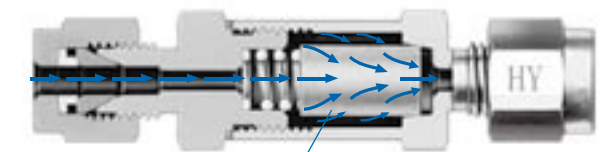
Full-penetration weld between body and element prevents bypass flow



Pleated element shown; sintered element available

In-line Filters (FSF 型)

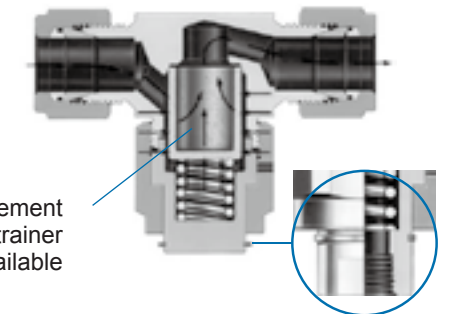
- In-line filters are for use where space is limited.
- Replaceable sintered elements are available in 0.5, 2, 7, 15, 60, and 90 µm nominal pore sizes; replaceable strainer elements are available in 40, 140, 230, and 440 µm nominal pore sizes.
- End connections include Swagelok tube fittings, NPT, tube adapter, and male VCR face seal fittings.



Sintered element shown; strainer element available

Tee-Type Filters (FSTF 型)

- Filter element can be replaced without removing body from system.
- Replaceable sintered elements are available in 0.5, 2, 7, 15, 60, and 90 µm nominal pore sizes; replaceable strainer elements are available in 40, 140, 230, and 440 µm nominal pore sizes.
- End connections include Swagelok tube fittings, NPT, and tube socket or tube butt weld ends.



Sintered element shown; strainer element available

Bypass port available; see page 8

压力-温度表

Ratings are based on standard materials of construction. Ratings for TF series filters with PCTFE gaskets are limited to 200°F and 3000 psig (93°C and 206 bar).

Filter Series	FSFW, FSTF	2FSF, 4FSF	6FSF, 8FSF	FSF	FSTF
Material	316 SS			Brass	
Temperature, °F (°C)	Working Pressure, psig (bar)				
-20 (-28) to 100 (37)	6000 (413)	3000 (206)	2500 (172)	1000 (68.9)	2000 (137)
200 (93)	5160 (355)	2580 (177)	2150 (148)	780 (53.7)	1730 (119)
300 (148)	4660 (321)	2330 (160)	1940 (133)	680 (46.8)	1470 (101)
400 (204)	4280 (294)	2140 (147)	1780 (122)	—	—
500 (260)	3980 (274)	1990 (137)	1660 (114)	—	—
600 (315)	3760 (259)	1880 (129)	1560 (107)	—	—
650 (343)	3700 (254)	1845 (127)	1540 (106)	—	—
700 (371)	2600 (248)	1800 (124)	1500 (103)	—	—
750 (398)	3520 (242)	1760 (121)	1460 (100)	—	—
800 (426)	3460 (238)	1725 (118)	1440 (99.2)	—	—
850 (454)	3380 (232)	1690 (116)	1410 (97.1)	—	—
900 (482)	3280 (225)	1640 (112)	1360 (93.7)	—	—

高压气体过滤器 FS系列

滤芯 Filter Elements

FSFW Series



Sintered

- Traps particles as small as 0.5 μm in diameter
- 316L SS construction

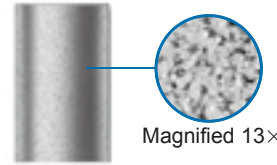
Pleated Mesh



Retainer screen Pleated mesh element Retainer screen

- Offers larger filtration area
- Stainless steel construction

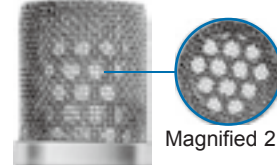
FSF and FSTF Series



Sintered

- Traps fine particles in a dense matrix
- 316 SS construction

Strainer



- Removes larger particles
- 316 SS construction

滤芯精度

Elements remove 95% of particles larger than the nominal pore size.

Nominal Pore Size μm	Pore Size Range μm	Element Type	Element Designator
0.5	0.5 to 2	Sintered	0.5
2	1 to 4		2
7	5 to 10		7
15	11 to 25	Strainer	15
40 ^①	—		40
60	50 to 75	Sintered	60
90	75 to 100		90
140 ^①	—	Strainer	140
230 ^①	—		230
440 ^①	—		440

① Not available for 2FSF series.

订货信息

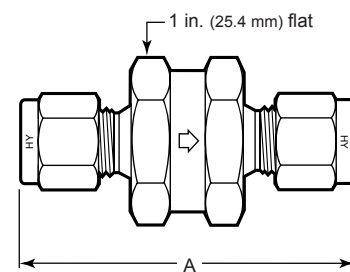
FSFW 型

订货号	End Connections		Element Nominal Pore Size μm	Dimensions, in. (mm)	
	Type	Size		Orifice	A
HY-4FSFW-1	卡套式 tube fitting	1/4 in.	0.5	0.187 (4.75)	2.09 (53.1)
HY-4FSFW-2		1/4 in.	2, 7, 15		2.15 (54.6)
HY-6FSFW-3		6 mm	0.5		2.13 (54.1)
HY-6FSFW-4		6 mm	2, 7, 15		2.15 (54.6)
HY-4FSFW4-5	Female NPT	1/4 in.	2, 7, 15	0.453 (11.5)	1.57 (39.9)
HY-4FSFW2-6	Male NPT	1/4 in.		0.281 (7.14)	1.89 (48.0)
HY-4FSFW5-7	Male to female NPT	1/4 in.		0.281 (7.14)	1.72 (43.7)
HY-4FSFW-8	Male VCR fitting	1/4 in.	0.5	0.187 (4.75)	1.95 (49.5)
HY-4FSFW-9		1/4 in.	2, 7, 15		2.04 (51.8)

Dimensions shown with tube fitting nuts finger-tight.

订货信息和尺寸范围

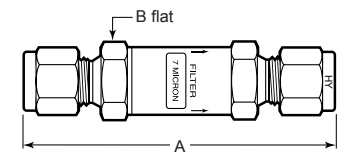
FSFW 型



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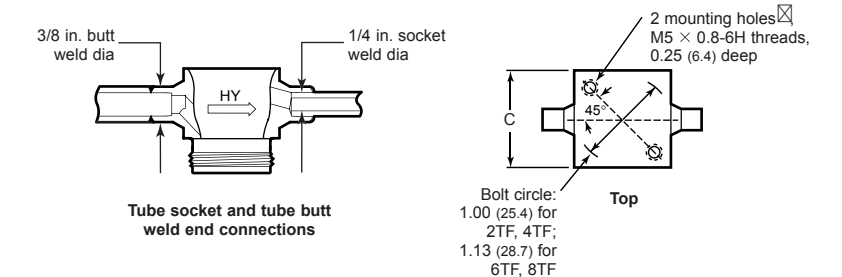
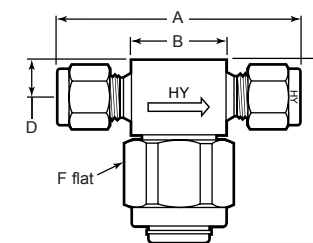
FSF 型

订货号	End Connections		Filter Series	Dimensions, in. (mm)		
	Inlet/Outlet	Size		Orifice	A	B
HY-2FSF-1	卡套式 tube fittings	1/8 in.	2F	0.094 (2.39)	2.35 (59.7)	9/16 (14.3)
HY-2FSF-2		1/4 in.	4F	0.187 (4.75)	2.95 (74.9)	3/4 (19.0)
HY-6FSF-3		3/8 in.	6F	0.281 (7.14)	3.21 (81.5)	1 (25.4)
HY-8FSF-4		1/2 in.	8F	0.406 (10.3)	3.49 (88.6)	
HY-3FSF-5		3 mm	2F	0.094 (2.39)	2.38 (60.5)	9/16 (14.3)
HY-6FSF-6		6 mm	4F	0.187 (4.75)	2.96 (75.2)	3/4 (19.0)
HY-2FSF4-7	Female NPT	1/8 in.	2F	0.094 (2.39)	2.16 (54.9)	9/16 (14.3)
HY-4FSF4-8		1/4 in.	4F	0.187 (4.75)	2.87 (72.9)	3/4 (19.0)
HY-4FSF2-9	Male NPT	1/4 in.	4F		2.69 (68.3)	
HY-4FSF-10	Male VCR fittings	1/4 in.	4F		2.82 (71.6)	
HY-2FSF-11	Swagelok tube fitting/tube adapter	1/8 in.	2F	0.094 (2.39)	2.29 (58.2)	9/16 (14.3)
HY-4FSF-12		1/4 in.	4F	0.187 (4.75)	2.91 (73.9)	3/4 (19.0)



Dimensions shown with tube fitting nuts finger-tight.

FSTF 型



订货号	End Connections		Filter Series	Dimensions, in. (mm)										
	Type	Size		Orifice	A	B	C	D	E	F				
HY-2FSTF-1	卡套式 tube fitting	1/8 in.	2TF	0.094 (2.39)	2.27 (57.7)	1.07 (27.2)	1.00 (25.4)	0.38 (9.7)	1.87 (47.5)	1 (25.4)				
HY-4FSTF-2		1/4 in.	4TF	0.174 (4.41)	2.47 (62.7)	1.06 (26.9)								
HY-6FSTF-3		3/8 in.	6TF	0.213 (5.41)	2.84 (72.1)	1.32 (33.5)								
HY-8FSTF-4		1/2 in.	8TF	0.250 (6.35)	3.04 (77.2)	1.31 (33.3)	1.13 (28.7)	0.46 (11.7)	2.20 (55.9)	1 1/8 (28.6)				
HY-6FSTF-5		6 mm	4TF	0.172 (4.36)	2.46 (62.5)	1.06 (26.9)								
HY-8FSTF-6		8 mm	6TF	0.213 (5.41)	2.84 (72.1)	1.38 (35.1)	1.13 (28.7)	0.46 (11.7)	2.20 (55.9)	1 1/8 (28.6)				
HY-10FSTF-7	10 mm	8TF	0.250 (6.35)	2.86 (72.6)	1.32 (33.5)									
HY-12FSTF-8	12 mm	8TF		3.04 (77.2)	1.31 (33.3)									
HY-2FSTF4-9	Female NPT	1/8 in.	2TF	0.174 (4.41)	2.00 (50.8)	1.00 (25.4)	1.00 (25.4)	0.38 (9.7)	1.87 (47.5)	1 (25.4)				
HY-4FSTF4-10		1/4 in.	4TF	2.13 (54.1)	1.00 (25.4)									
HY-4FSTF2-11	Male NPT	1/4 in.	4TF	0.174 (4.41)	2.13 (54.1)	1.00 (25.4)	1.00 (25.4)	0.38 (9.7)	1.87 (47.5)	1 (25.4)				
HY-6FSTF2-12		3/8 in.	6TF	0.250 (6.35)	2.38 (60.5)	1.25 (31.8)					1.13 (28.7)	0.46 (11.7)	2.20 (55.9)	1 1/8 (28.6)
HY-8FSTF2-13		1/2 in.	8TF		2.75 (69.9)									
HY-4FSTF4-14	Tube socket weld and tube butt weld	1/4 and 3/8 in.	4TF	0.174 (4.41)	1.68 (42.7)	1.00 (25.4)	1.00 (25.4)	0.38 (9.7)	1.87 (47.5)	1 (25.4)				

Dimensions shown with nuts finger-tight.

☒ Mounting holes not available with 1/4 in. female NPT end connections.

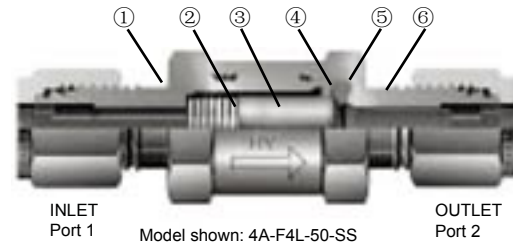


高压气体过滤器

FP系列

组成材质

Item #	Part	Stainless Steel Filter	Brass Filter
1	Body	ASTM A 276,TYPE 316	ASTM B 16, Alloy C36000
2	Spring	316 Stainless Steel	
3	Filter Element	316 Stainless Steel	
4	Guide Ring	PTFE	
5	Seal*	Fluorocarbon Rubber*	
6	Cap	ASTM A 276,TYPE 316	ASTM B 16,Alloy C36000

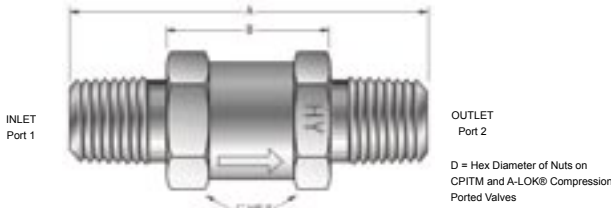


Specifications

- Pressure Rating:
316 SS - 1/8" to 3/4": 6000 psig (414 bar) CWP
1": 5000 psig (345 bar) CWP
All sizes with PTFE Seals: 4000 psig (276 bar) CWP
Brass - 1/8" to 1": 3000 psig (207 bar) CWP
- Temperature Rating:
Fluorocarbon Rubber
-15 °F to 400 °F (-26 °C to 204 °C)
Buna-N Rubber
-30 °F to 275 °F (-34 °C to 135 °C)
Ethylene Propylene Rubber
-70 °F to 275 °F (-57 °C to 135 °C)
Neoprene Rubber
-45 °F to 250 °F (-43 °C to 121 °C)
PTFE
-65 °F to 400 °F (-54 °C to 204 °C)

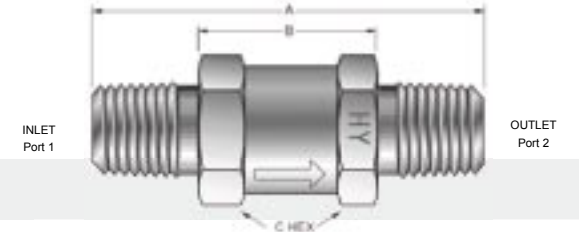
特点:

- 紧凑的嵌入设计, 过滤面积大
- 不锈钢和黄铜材质
- 可更换316不锈钢烧结滤芯
- 烧结滤芯过滤精度分为: 1、5、10、50、和100微米
- 可选250和450的丝网滤芯
- 多种连接方式



尺寸参数和订货号

订货号	Basic Part Number	End Connections		Dimensions							
		(Inlet) Port 1	(Outlet) Port 2	A†		B		C		D	
				Inch	mm	Inch	mm	Inch	mm	Inch	mm
HY-FP-1	2A-F2L	1/8" 卡套式	1/8" 卡套式	2.29	58.2	1.09	27.7	.625	15.9	.438	11.1
HY-FP-2	2F-F2L	1/8" Female NPT	1/8" Female NPT	1.86	47.2	-	-	.625	15.9	-	-
HY-FP-3	2F5-F2L	1/8" Male SAE	1/8" Male SAE	1.69	42.9	1.09	27.7	.625	5.9	-	-
HY-FP-4	2G5-F2L	1/8" Female SAE	1/8" Female SAE	1.86	47.2	-	-	.625	15.9	-	-
HY-FP-5	2KF-F2L	1/8" Female BSP/ISO Tapered	1/8" Female BSP/ISO Tapered	1.86	47.2	-	-	.625	15.9	-	-
HY-FP-6	2KM-F2L	1/8" Male BSP/ISO Tapered	1/8" Male BSP/ISO Tapered	1.77	45.0	1.00	25.4	.625	15.9	-	-
HY-FP-7	2M-F2L	1/8" Male NPT	1/8" Male NPT	1.77	45.0	1.01	25.7	.625	15.9	-	-
HY-FP-8	2TA-F2L	1/8" Tube Adapter	1/8" Tube Adapter	1.96	49.8	.88	22.4	.625	15.9	-	-
HY-FP-9	2Z-F2L	1/8" CPI™ Compression	1/8" CPI™ Compression	2.29	58.2	1.09	27.7	.625	15.9	.438	11.1
HY-FP-10	M3A-F2L	3mm 卡套式	3mm 卡套式	2.30	58.4	1.05	26.7	.625	15.9	.472	12.0
HY-FP-11	M3Z-F2L	3mm CPI™ Compression	3mm CPI™ Compression	2.30	58.4	1.05	26.7	.625	15.9	.472	12.0
HY-FP-12	2M2A-F2L	1/8" Male NPT	1/8" 卡套式	2.03	51.6	1.06	26.9	.625	15.9	.438	11.1
HY-FP-13	2M2F-F2L	1/8" Male NPT	1/8" Female NPT	1.82	46.2	1.44	36.6	.625	15.9	-	-
HY-FP-14	2M2Z-F2L	1/8" Male NPT	1/8" CPI™ Compression	2.03	51.6	1.06	26.9	.625	15.7	.438	11.1
HY-FP-15	2F-F4L	1/8" Female NP	1/8" Female NPT	2.01	51.1	-	-	.750	19.1	-	-
HY-FP-16	2M-F4L	1/8" Male NPT	1/8" Male NPT	1.82	46.2	1.06	26.9	.750	19.1	-	-
HY-FP-17	4A-F4L	1/4" 卡套式	1/4" 卡套式	2.42	61.5	1.03	26.2	.750	19.1	.563	14.3
HY-FP-18	4F-F4L	1/4" Female NPT	1/4" Female NPT	2.40	61.0	-	-	.750	19.1	-	-
HY-FP-19	4F5-F4L	1/4" Male SAE	1/4" Male SAE	2.02	51.3	1.15	29.2	.750	19.1	-	-
HY-FP-20	4G5-F4L	1/4" Female SAE	1/4" Female SAE	2.20	55.9	-	-	.750	19.1	-	-
HY-FP-21	4KF-F4L	1/4" Female BSP/ISO Tapered	1/4" Female BSP/ISO Tapered	2.40	61.0	-	-	.750	19.1	-	-
HY-FP-22	4KM-F4L	1/4" Male BSP/ISO Tapered	1/4" Male BSP/ISO Tapered	2.18	55.4	1.06	26.9	.750	19.1	-	-
HY-FP-23	4L-F4L	1/4" Seal-Lok®	1/4" Seal-Lok®	1.82	46.2	1.05	26.7	.750	19.1	-	-
HY-FP-24	4M-F4L	1/4" Male NPT	1/4" Male NPT	2.18	55.4	1.04	26.4	.750	19.1	-	-
HY-FP-25	4Q-F4L	1/4" UltraSeal	1/4" UltraSeal	1.97	50.0	1.04	26.4	.750	19.1	-	-
HY-FP-26	4V-F4L	1/4" VacuSeal	1/4" VacuSeal	2.22	56.4	.98	24.9	.750	19.1	-	-
HY-FP-27	4TA-F4L	1/4" Tube Adapter	1/4" Tube Adapter	2.35	59.7	1.07	27.2	.750	19.1	-	-
HY-FP-28	4Z-F4L	1/4" CPI™ Compression	1/4" CPI™ Compression	2.42	61.5	1.03	26.2	.750	19.1	.563	14.3
HY-FP-29	6A-F4L	3/8" 卡套式	3/8" 卡套式	2.55	64.8	1.03	26.2	.750	19.1	.688	17.5
HY-FP-30	6Z-F4L	3/8" CPI™ Compression	3/8" CPI™ Compression	2.55	64.8	1.03	26.2	.750	19.1	.688	17.5
HY-FP-31	M6A-F4L	6mm 卡套式	6mm 卡套式	2.43	61.7	1.03	26.2	.750	19.1	.551	14.0
HY-FP-32	M6Z-F4L	6mm CPI™ Compression	6mm CPI™ Compression	2.43	61.7	1.03	26.2	.750	19.1	.551	14.0
HY-FP-33	4M4A-F4L	1/4" Male NPT	1/4" 卡套式	2.31	58.7	1.04	26.4	.750	19.1	.563	14.3
HY-FP-34	4M4F-F4L	1/4" Male NPT	1/4" Female NPT	2.29	58.2	1.72	43.7	.750	19.1	-	-
HY-FP-35	4M4Z-F4L	1/4" Male NPT	1/4" CPI™ Compression	2.32	58.9	1.05	26.7	.750	19.1	.563	14.3



高压气体过滤器

FP系列

订货号	Basic Part Number	End Connections		Dimensions							
		(Inlet) Port 1	(Outlet) Port 2	A†		B		C		D	
				Inch	mm	Inch	mm	Inch	mm	Inch	mm
HY-FP-36	4M6A-F4L	1/4" Male NPT	3/8" 卡套式	2.38	60.5	1.05	26.7	.750	19.1	.688	17.5
HY-FP-37	4M6Z-F4L	1/4" Male NPT	3/8" CPI™ Compression	2.38	60.5	1.05	26.7	.750	19.1	.688	17.5
HY-FP-38	6A-F6L	3/8" 卡套式	3/8" 卡套式	3.27	83.1	1.75	44.5	1.000	25.4	.688	17.5
HY-FP-39	6F-F6L	3/8" Female NPT	3/8" Female NPT	3.03	77.0	-	-	1.000	25.4	-	-
HY-FP-40	6F5-F6L	3/8" Male SAE	3/8" Male SAE	2.71	68.8	1.76	44.7	1.000	25.4	-	-
HY-FP-41	6G5-F6L	3/8" Female SAE	3/8" Female SAE	2.96	75.2	-	-	1.000	25.4	-	-
HY-FP-42	6KF-F6L	3/8" Female BSP/ISO Tapered	3/8" Female BSP/ISO Tapered	3.03	77.0	-	-	1.000	25.4	-	-
HY-FP-43	6KM-F6L	3/8" Male BSP/ISO Tapered	3/8" Male BSP/ISO Tapered	2.96	75.2	1.84	46.7	1.000	25.4	-	-
HY-FP-44	6L-F6L	3/8" Seal-Lok®	3/8" Seal-Lok®	2.85	67.3	1.77	45.0	1.000	25.4	-	-
HY-FP-45	6M-F6L	3/8" Male NPT	3/8" Male NPT	2.96	75.2	1.82	46.2	1.000	25.4	-	-
HY-FP-46	6Q-F6L	3/8" UltraSeal	3/8" UltraSeal	2.75	69.8	1.80	45.7	1.000	25.4	-	-
HY-FP-47	6V-F6L	3/8" VacuSeal	3/8" VacuSeal	3.56	90.4	2.05	52.1	1.000	25.4	-	-
HY-FP-48	6TA-F6L	3/8" Tube Adapter	3/8" Tube Adapter	3.24	82.3	1.80	45.7	1.000	25.4	-	-
HY-FP-49	6Z-F6L	3/8" CPI™ Compression	3/8" CPI™ Compression	3.27	83.1	1.75	44.5	1.000	25.4	.688	17.5
HY-FP-50	8A-F6L	1/2" 卡套式	1/2" 卡套式	3.55	90.2	1.81	46.0	1.000	25.4	.875	22.2
HY-FP-51	8Z-F6L	1/2" CPI™ Compression	1/2" CPI™ Compression	3.55	90.2	1.81	46.0	1.000	25.4	.875	22.2
HY-FP-52	M8A-F6L	8mm 卡套式	8mm 卡套式	3.33	84.6	1.87	47.5	1.000	25.4	.630	16.0
HY-FP-53	M8Z-F6L	8mm CPI™ Compression	8mm CPI™ Compression	3.33	84.6	1.87	47.5	1.000	25.4	.630	16.0
HY-FP-54	M10A-F6L	10mm 卡套式	10mm 卡套式	3.35	85.1	1.81	46.0	1.000	25.4	.748	19.0
HY-FP-55	M10-F6L	10mm CPI™ Compression	10mm CPI™ Compression	3.35	85.1	1.81	46.0	1.000	25.4	.748	19.0
HY-FP-56	6M6A-F6L	3/8" Male NPT	3/8" 卡套式	3.14	79.8	1.81	46.0	1.000	25.4	.688	17.5
HY-FP-57	6M6F-F6L	3/8" Male NPT	3/8" Female NPT	3.04	77.2	2.47	62.7	1.000	25.4	-	-
HY-FP-58	6M6Z-F6L	3/8" Male NPT	3/8" CPI™ Compression	3.14	79.8	1.81	46.0	1.000	25.4	.688	17.5
HY-FP-59	6M8A-F6L	3/8" Male NPT	1/2" 卡套式	3.25	82.6	1.81	46.0	1.000	25.4	.875	22.2
HY-FP-60	6M8Z-F6L	3/8" Male NPT	1/2" CPI™ Compression	3.25	82.6	1.81	46.0	1.000	25.4	.875	22.2
HY-FP-61	8A-F8L	1/2" 卡套式	1/2" 卡套式	4.08	103.6	2.34	59.4	1.250	31.8	.875	22.2
HY-FP-62	8F-F8L	1/2" Female NPT	1/2" Female NPT	3.56	90.4	-	-	1.250	31.8	-	-
HY-FP-63	8F5-F8L	1/2" Male SAE	1/2" Male SAE	3.45	87.6	2.34	59.4	1.250	31.8	-	-
HY-FP-64	8G5-F8L	1/2" Female SAE	1/2" Female SAE	3.56	90.4	-	-	1.250	31.8	-	-
HY-FP-65	8KF-F8L	1/2" Female BSP/ISO Tapered	1/2" Female BSP/ISO Tapered	3.56	90.4	-	-	1.250	31.8	-	-
HY-FP-66	8KM-F8L	1/2" Male BSP/ISO Tapered	1/2" Male BSP/ISO Tapered	3.56	90.4	2.06	52.3	1.250	31.8	-	-
HY-FP-67	8L-F8L	1/2" Seal-Lok®	1/2" Seal-Lok®	3.22	81.8	2.21	56.1	1.250	31.8	-	-
HY-FP-68	8M-F8L	1/2" Male NPT	1/2" Male NPT	3.56	90.4	2.05	52.1	1.250	31.8	-	-
HY-FP-69	8Q-F8L	1/2" UltraSeal	1/2" UltraSeal	3.28	83.3	2.33	59.2	1.250	31.8	-	-
HY-FP-70	8TA-F8L	1/2" Tube Adapter	1/2" Tube Adapter	3.75	95.3	1.78	45.2	1.250	31.8	-	-
HY-FP-71	8V-F8L	1/2" VacuSeal	1/2" VacuSeal	3.56	90.4	2.05	52.1	1.250	31.8	-	-
HY-FP-72	8Z-F8L	1/2" CPI™ Compression	1/2" CPI™ Compression	4.08	103.6	2.34	59.4	1.250	31.8	.875	22.2
HY-FP-73	M12A-F8L	12mm 卡套式	12mm 卡套式	4.06	103.1	2.34	59.4	1.250	31.8	.866	22.0
HY-FP-74	M12Z-F8L	12mm CPI™ Compression	12mm CPI™ Compression	4.06	103.1	2.34	59.4	1.250	31.8	.866	22.0
HY-FP-75	8M8A-F8L	1/2" Male NPT	1/2" 卡套式	3.82	97.0	2.19	55.7	1.250	31.8	.875	22.2
HY-FP-76	8M8F-F8L	1/2" Male NPT	1/2" Female NPT	3.56	90.4	2.80	71.1	1.250	31.8	-	-
HY-FP-77	8M8Z-F8L	1/2" Male NPT	1/2" CPI™ Compression	3.82	97.0	2.19	55.7	1.250	31.8	.875	22.2
HY-FP-78	12A-F12L	3/4" 卡套式	3/4" 卡套式	4.34	110.2	2.60	66.0	1.375	34.9	1.125	28.6
HY-FP-79	12F-F12L	3/4" Female NPT	3/4" Female NPT	4.09	103.9	-	-	1.375	34.9	-	-
HY-FP-80	12F5-F12L	3/4" Male SAE	3/4" Male SAE	4.05	102.9	2.59	65.8	1.375	34.9	-	-
HY-FP-81	12G5-F12L	3/4" Female SAE	3/4" Female SAE	4.13	104.9	-	-	1.375	34.9	-	-
HY-FP-82	12KF-F12L	3/4" Female BSP/ISO Tapered	3/4" Female BSP/ISO Tapered	4.09	103.9	-	-	1.375	34.9	-	-
HY-FP-83	12KM-F12L	3/4" Male BSP/ISO Tapered	3/4" Male BSP/ISO Tapered	4.09	103.9	2.59	65.8	1.375	34.9	-	-
HY-FP-84	12L-F12L	3/4" Seal-Lok®	3/4" Seal-Lok®	3.78	96.0	2.44	62.0	1.375	34.9	-	-
HY-FP-85	12M-F12L	3/4" Male NPT	3/4" Male NPT	4.09	103.9	2.58	65.5	1.375	34.9	-	-
HY-FP-86	12Q-F12L	3/4" UltraSeal	3/4" UltraSeal	3.78	96.0	2.64	67.1	1.375	34.9	-	-
HY-FP-87	12TA-F12L	3/4" Tube Adapter	3/4" Tube Adapter	4.24	107.7	2.18	55.4	1.375	34.9	-	-
HY-FP-88	12V-F12L	3/4" VacuSeal	3/4" VacuSeal	4.64	117.9	2.64	67.1	1.375	34.9	-	-
HY-FP-89	12Z-F12L	3/4" CPI™ Compression	3/4" CPI™ Compression	4.34	110.2	2.60	66.0	1.375	34.9	1.125	

高压气体过滤器

FW系列

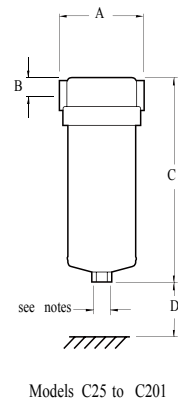
非金属型滤芯

STAINLESSSTEEL HIGHPRESSURE FILTERS



特点:

- FW系列采用高等级不锈钢材质;
- 在5MPa, 10MPa, 和35MPa (725psi, 1450psi, 5000 psi) 的工作压力下多种流通能力可选;
- 减少维护时间;
- 可安装在狭窄的地方, 适用于最有限空间内的安装;
- 提供25, 5, 1和0.01微米及涵盖所有要求的活性炭过滤等级;
- 较低的气体流速可留存住油分子, 性能可靠;
- 排放接口是堵住的;
- 碳钢表面塑性喷涂处理, 防腐保护性能优良;
- 这种系列的壳体也适用于水分离器;



订货号和尺寸参数

订货号	PIPE SIZE	FLOW RATE Nm ³ /h SCFM	ELEMENT MODEL	DIMENSIONS mm				WEIGHT		DIMENSIONS inch				FILTER MODEL	
				A	B	C	D	Kg	lb	A	B	C	D		
50 barg (725 psig) maximum working pressure															
HY-FW-1	1/4	100	60	E50 (grade)	85	18	170	75	1.7	3.8	3 1/2	3/4	7	3	C25 (grade)
HY-FW-2	3/8	200	120	E51 (grade)	85	18	205	100	2.0	4.4	3 1/2	3/4	8	4	C37 (grade)
HY-FW-3	1/2	340	200	E52 (grade)	85	18	255	100	2.2	4.9	3 1/2	3/4	10	4	C50 (grade)
HY-FW-4	3/4	500	300	E715 (grade)	110	27	270	150	4.0	8.8	4 1/2	1 1/4	11	6	C75 (grade)
HY-FW-5	1	1000	600	E730 (grade)	110	27	420	300	5.0	11	4 1/2	1 1/4	17	12	C101 (grade)
HY-FW-6	1 1/2	1700	1000	E830 (grade)	150	45	525	300	15	33	6	1 3/4	21	12	C150 (grade)
HY-FW-7	2	2040	1200	E830 (grade)	150	45	525	300	15	33	6	1 3/4	21	12	C200 (grade)
HY-FW-8	2	3400	2000	E86 (grade)	150	45	825	500	21	46	6	1 3/4	33	20	C201 (grade)

Use this table for 350 barg (5000 psig) filters

Operating pressure	barg	50	100	150	200	250	300	350
	psi	725	1450	2175	2900	3625	4350	5000
Correction factor		0.73	0.78	0.82	0.87	0.91	0.96	1

Use this table for 50 barg (725 psig) filters

Operating pressure	barg	4	6	8	10	15	20	30	40	50
	psi	58	87	116	145	220	290	435	580	725
Correction factor		0.14	0.22	0.28	0.34	0.47	0.56	0.70	0.85	1

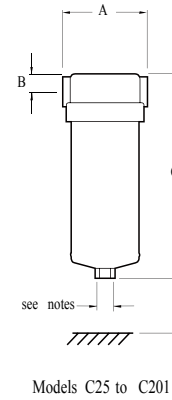
Use this table for 100 barg (1450 psig) filters

Operating pressure	barg	20	30	40	50	60	70	80	90	100
	psi	290	435	580	725	870	1015	1160	1300	1450
Correction factor		0.45	0.57	0.68	0.80	0.84	0.88	0.92	0.96	1

高压气体过滤器

FW系列

订货号和尺寸参数



订货号	PIPE SIZE	FLOW RATE Nm ³ /h SCFM	ELEMENT MODEL	DIMENSIONS mm				WEIGHT		DIMENSIONS inch				FILTER MODEL	
				A	B	C	D	Kg	lb	A	B	C	D		
100 barg (1450 psig) maximum working pressure															
HY-FW-9	1/4	100	60	HP371 (grade)	65	20	135	70	3.2	7.1	2 3/4	3/4	6	3	100HP24 (grade)
HY-FW-10	1/2	315	185	HP381 (grade)	65	20	250	180	5.6	12.3	2 3/4	3/4	10	7	100HP49 (grade)
HY-FW-11	3/4	460	270	HP420 (grade)	88	20	275	250	6.1	13.5	3 1/2	3/4	11	10	100HP75 (grade)
HY-FW-12	1	680	400	HP710 (grade)	132	26	265	150	10.5	23.2	5 1/4	1	11	6	100HP100 (grade)
HY-FW-13	1	1200	700	HP730 (grade)	132	26	480	300	14.7	32.4	5 1/4	1	19	12	100HP101 (grade)
HY-FW-14	1 1/2	1700	1000	HP830 (grade)	150	45	525	300	22	48.5	6	1 3/4	21	12	100HP150 (grade)
HY-FW-15	2	3400	2000	HP860 (grade)	150	45	825	500	28	61.7	6	1 3/4	33	20	100HP200 (grade)
350 barg (5000 psig) maximum working pressure															
HY-FW-16	1/4	48	28	HP261 (grade)	41	10	103	60	1.6	3.5	1 3/4	1/2	4	3	350HP24 (grade)
HY-FW-17	1/4	111	67	HP371 (grade)	65	20	135	70	3.2	7.1	2 3/4	3/4	6	3	350HP26 (grade)
HY-FW-18	1/2	255	150	HP410 (grade)	88	20	210	150	5.6	12.3	3 1/2	3/4	9	6	350HP50 (grade)
HY-FW-19	3/4	510	300	HP420 (grade)	88	25	280	250	6.1	13.5	3 1/2	1	11	10	350HP75 (grade)
HY-FW-20	1	750	445	HP710 (grade)	150	35	330	200	14.5	32	6	1 1/2	13	8	350HP100 (grade)
HY-FW-21	1	1330	775	HP730 (grade)	150	35	480	300	17.4	38.4	6	1 1/2	19	12	350HP101 (grade)

SPECIFICATION	Grade WS	Grade X25	Grade X5	Grade X1	Grade XA	Grade AC	Grade RX25	Grade RX5	Grade RX1	Grade RXA	Grade RAC
Particle removal, micron	-	25	5	1	0.01	0.01	25	5	1	0.01	0.01
Maximum oil carryover at 20°C (mg/m ³)	-	10	5	0.1	0.01	0.003	-	-	-	-	0.003
Maximum oil carryover at 68°F (ppm)	-	10	5	0.1	0.01	0.003	-	-	-	-	0.003
Maximum temperature, °C (°F)	120 (248)	120 (248)	120 (248)	120 (248)	120 (248)	25 (77)	120 (248)	120 (248)	120 (248)	120 (248)	25 (77)
Pressure loss-clean & dry, mbar (psi)	70 (1)	30 (0.4)	40 (0.6)	75 (1.1)	100 (1.5)	75 (1.1)	30 (0.4)	40 (0.6)	75 (1.1)	100 (1.5)	75 (1.1)
Pressure loss-oil saturated, mbar (psi)	-	50 (0.7)	75 (1.1)	150 (2.2)	300 (4.4)	see notes	-	-	-	-	see notes
Pressure loss-change element, mbar (psi)	-	700 (10)	700 (10)	700 (10)	700 (10)	see notes	700 (10)	700 (10)	700 (10)	700 (10)	see notes

NOTES

- High pressure filters are manufactured from **316 grade stainless steel** and are PED 97/23/EC compliant. The filters are uncoated.
- Threaded connections are Rc taper to ISO7/1 or NPT to ANSI B2.1 if supplied within North America.
- Threaded differential pressure tapings, 1/8" Rc taper to ISO7/1 or NPT to ANSI B2.1 if supplied within North America are included on all models except 100HP24 / 49 and 350HP24 / 26
- Filter element end caps are colour coded on "C" range and stainless steel on 100HP and 350HP range. Direction of air flow, in to out through filter elements for coalescing grades and out to in through filter element for dust grades. High pressure filters and filter elements are suitable for use with mineral and synthetic oils plus oil free compressed air applications.
- Grade AC and RAC activated carbon filters must not operate in oil saturated conditions and will not remove certain types of gases including carbon monoxide and carbon dioxide.
- Differential pressure indicators are available (model 55 DPIW) as an option for 20 barg (290 psig) applications, see differential pressure equipment leaflet.
- Grade AC elements must be changed periodically to suit application but at least every 6 months.
- All high pressure filters are supplied with a drain plug.
- High pressure drain valves are available, see accessory product leaflet.
- Mounting brackets are available.
- High pressure filters and filter elements are silicone free.