WALKER FILTRATION

Stainless Steel High Pressure

Maximum working pressures of 725, 1450 & 5000 psig (50, 100 & 350 barg)

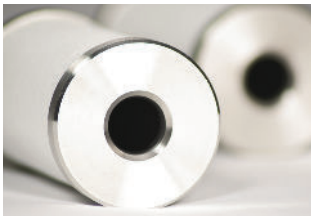
Walker Filtration's Stainless Steel High Pressure Filters provide a comprehensive range of high efficiency, high pressure filters ideal for a wide variety of specialist applications.

Manufactured from high grade 316L stainless steel and specially coated carbon steel, the range is precision engineered with high pressure applications in mind.

Available in four filtration grades from 5 to 0.01 Micron and Activated Carbon, our stainless steel high pressure range guarantees maximum contaminant removal and offers varied flow rate capacities of 725, 1450 and 5000 psig (50, 100 and 350 barg).

Comprehensive Range
725, 1450 and 5000 psig (50, 100 and 350 barg) models available

Performance Guaranteed
Each filter is hydrostatically tested prior to despatch



Optimized Filtration Performance
Custom engineered filtration media for maximum contaminant removal

- **Advanced Filtration Technology** Optimum design and high efficiency filtration media provides low pressure losses and increased energy savings
- **O-ring Sealing** Push fit element design eliminates risk of contaminant bypass
- **Color Coded Element End Caps** For easy grade identification on 725 psig (50 barg) models
- **Stainless Steel Element End Caps** On 1450 and 5000 psig (100 and 350 barg) models
- **Performance Guaranteed** Each filter is hydrostatic tested prior to despatch to guarantee quality and performance
- **Supplied as standard with drain plug** High pressure drains available upon request

For further information please visit www.walkerfiltration.com

Technical Specification

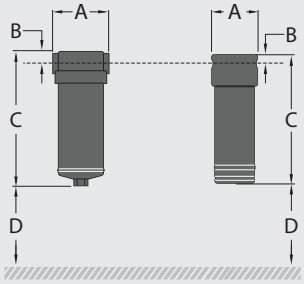
Filter model	Pipe size inches	Inlet flow rate		Dimensions inches (mm)				Weight		Element model
		SCFM	Nm³/hr	A	B	C	D	lbs	kg	
725 psig (50 barg) maximum working pressure										
C025 (grade)	¼	60	100	3.35 (85)	0.71 (18)	6.69 (170)	2.95 (75)	3.7	1.7	E050 (grade)
C037 (grade)	⅜	120	200	3.35 (85)	0.71 (18)	8.07 (205)	3.94 (100)	4.4	2.0	E051 (grade)
C050 (grade)	½	200	340	3.35 (85)	0.71 (18)	10.04 (255)	3.94 (100)	4.8	2.2	E052 (grade)
C75 (grade)	¾	300	500	4.33 (110)	1.06 (27)	10.63 (270)	5.91 (150)	8.8	4.0	E715 (grade)
C101 (grade)	1	600	1000	4.33 (110)	1.06 (27)	16.54 (420)	11.81 (300)	11.0	5.0	E730 (grade)
C150 (grade)	1½	1000	1700	5.91 (150)	1.77 (45)	20.67 (525)	11.81 (300)	33.0	15.0	E830 (grade)
C200 (grade)	2	1200	2040	5.91 (150)	1.77 (45)	20.67 (525)	11.81 (300)	33.0	15.0	E830 (grade)
C201 (grade)	2	2000	3400	5.91 (150)	1.77 (45)	32.48 (825)	19.69 (500)	46.2	21.0	E86 (grade)
1450 psig (100 barg) maximum working pressure										
100HP24 (grade)	¼	60	100	2.56 (65)	0.79 (20)	5.31 (135)	2.76 (70)	7.0	3.2	HP371 (grade)
100HP49 (grade)	½	185	315	2.56 (65)	0.79 (20)	9.84 (250)	7.09 (180)	12.3	5.6	HP381 (grade)
100HP75 (grade)	¾	270	460	3.15 (88)	0.98 (25)	10.83 (275)	9.84 (250)	13.4	6.1	HP420 (grade)
100HP100 (grade)	1	400	680	5.61 (132)	1.02 (26)	10.43 (265)	11.81 (300)	23.1	10.5	HP710 (grade)
100HP101 (grade)	1	700	1200	5.61 (132)	1.02 (26)	18.90 (480)	11.81 (300)	32.3	14.7	HP730 (grade)
100HP150 (grade)	1½	1000	1700	5.91 (150)	1.77 (45)	20.67 (525)	11.81 (300)	48.4	22.0	HP830 (grade)
100HP200 (grade)	2	2000	3400	5.91 (150)	1.77 (45)	32.48 (825)	19.69 (500)	61.6	28.0	HP860 (grade)
5000 psig (350 barg) maximum working pressure										
350HP24 (grade)	¼	28	48	1.61 (41)	0.39 (10)	4.06 (103)	2.36 (60)	3.5	1.6	HP261 (grade)
350HP26 (grade)	¼	67	111	2.56 (65)	0.79 (20)	5.31 (135)	2.76 (70)	7.0	3.2	HP371 (grade)
350HP50 (grade)	½	150	255	3.15 (88)	0.79 (20)	8.27 (210)	5.91 (150)	12.3	5.6	HP410 (grade)
350HP75 (grade)	¾	300	510	3.15 (88)	0.98 (25)	11.02 (280)	9.84 (250)	13.4	6.1	HP420 (grade)
350HP100 (grade)	1	445	750	5.91 (150)	1.38 (35)	12.99 (330)	7.87 (200)	31.9	14.5	HP710 (grade)
350HP101 (grade)	1	775	1330	5.91 (150)	1.38 (35)	18.90 (480)	11.81 (300)	38.3	17.4	HP730 (grade)

Grade (Coalescing filter element)	X5		X1		XA		AC	
Particle removal	5 micron		1 micron		0.01 micron		0.01 micron	
Maximum oil carryover at 68°F (20°C)	5 ppm	5 mg/m³	0.1 ppm	0.1 mg/m³	0.01ppm	0.01 mg/m³	0.003 ppm	0.003 mg/m³
Maximum temperature	248°F	120°C	248°F	120°C	248°F	120°C	122°F*	50°C*
Element end cap color 725 psig	Green		Red		Blue		Black	
Element end cap color 1450 & 5000 psig	Stainless Steel							

Grade (Dust filter element)	RX5		RX1		RXA		RAC	
Particle removal	5 micron		1 micron		0.01 micron		0.01 micron	
Maximum oil carryover at 68°F (20°C)	-	-	-	-	-	-	0.003 ppm	0.003 mg/m³
Maximum temperature	248°F	120°C	248°F	120°C	248°F	120°C	122°F*	50°C*
Element end cap color 725 psig	Green		Red		Blue		Black	
Element end cap color 1450 & 5000 psig	Stainless Steel							

Correction factor For maximum flow rate, mulitply model flow rate by the correction factor corresponding to the minimum operating pressure

Operating pressure psig (barg)		58 (4)	87 (6)	116 (8)	145 (10)	220 (15)	290 (20)	435 (30)	580 (40)	725 (50)
725 psig	Correction factor	0.14	0.22	0.28	0.34	0.47	0.56	0.70	0.85	1.00
Operating pressure psig (barg)		290 (20)	435 (30)	580 (40)	725 (50)	870 (60)	1015 (70)	1160 (80)	1300 (90)	1450(100)
1450 psig	Correction factor	0.45	0.57	0.68	0.80	0.84	0.88	0.92	0.96	1.00
Operating pressure psig (barg)		725 (50)	1450 (100)	2175 (150)	2900 (200)	3625 (250)	4350 (300)	5000 (350)		
5000 psig	Correction factor	0.73	0.78	0.82	0.87	0.91	0.96	1.00		



C025 (grade) to C201 (grade) | 100HP24 (grade) to 350HP101 (grade)

Technical Notes

1. Direction of air flow is inside to out through filter elements for coalescing grades and outside to in for dust grades.
2. All high pressure filters are supplied with a drain plug. High pressure drains are available.
3. Activated carbon filters must not operate in oil saturated conditions and will not remove certain types of gases including carbon monoxide (CO) and carbon dioxide (CO_2).
4. Threaded filters are PED 2014/68/EU compliant for group 2 gases.
5. Threaded connections are NPT to ANSI B2.1 as standard. Rp (BSP parallel) to ISO 7/1 are available upon request with the following exceptions that are only available in NPT: 100HP24, 100HP49, 350HP24 and 350HP26.
6. Filter elements should be changed every 12 months / 8000 hours (whichever comes first). Activated carbon filter elements should be changed every 6 months.
7. Some housings can operate as Water Separators. For availability, contact your account manager.
8. * Recommended operating temperature 77°F (25°C).

CRN

ISO 9001

MEMBER OF CAGI Compressed Air & Gas Institute

bcas BRITISH COMPRESSED AIR SOCIETY LIMITED

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