

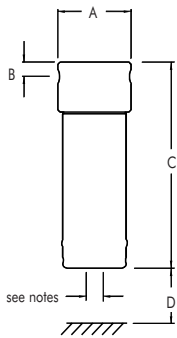
ALLOY HIGH PRESSURE FILTERS



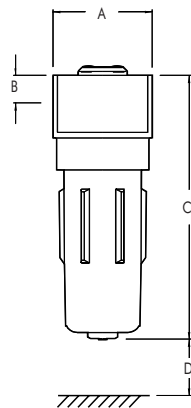
Walker Filtration manufacture a unique range of 50 barg (725 psig) high pressure filters using machined or diecast aluminium components. This range offers significant cost reductions over our high pressure carbon and stainless steel versions whilst offering many design features. There are eight models in this silicone free range from 1/4" to 2" pipe connections with flow rates up to 5100 Nm³/h (3000 scfm) at 50 barg (725 psig). All models feature the Walker push-in filter element

design with double 'O' ring seals for extra security and are available in all standard grades including water separators. Full corrosion protection is given by use of an electrophoretic painting both inside and out followed by a tough polyester powder coating on the outside.

**WALKER
FILTRATION**



Models 50HP25 to 50HP37



Models 50HP50 to 50HP201

FILTER MODEL	PIPE SIZE	FLOW RATE		ELEMENT MODEL	DIMENSIONS mm				WEIGHT		DIMENSIONS inch				FILTER MODEL
		Nm ³ /h	SCFM		A	B	C	D	Kg	lb	A	B	C	D	
50HP25 (grade)	1/4	160	94	HP1535 (grade)	63	15	150	50	0.25	0.5	2 1/2	1/2	6	2	50HP25 (grade)
50HP37 (grade)	3/8	250	147	HP1550 (grade)	63	15	190	50	0.27	0.6	2 1/2	1/2	7 1/2	2	50HP37 (grade)
50HP50 (grade)	1/2	450	265	HP2040 (grade)	114	38	305	150	2.6	5.7	4 1/2	1 1/2	12	6	50HP50 (grade)
50HP75 (grade)	3/4	550	324	HP2540 (grade)	114	38	305	150	2.6	5.7	4 1/2	1 1/2	12	6	50HP75 (grade)
50HP101 (grade)	1	835	492	HP2080 (grade)	114	38	395	150	3.3	7.3	4 1/2	1 1/2	15 1/2	6	50HP101 (grade)
50HP150 (grade)	1 1/2	1250	736	HP2580 (grade)	146	50	435	170	7.5	16.5	5 3/4	2	21	7	50HP150 (grade)
50HP151 (grade)	1 1/2	1725	1015	HP2512 (grade)	146	50	435	170	7.5	16.5	5 3/4	2	21	7	50HP151 (grade)
50HP200 (grade)	2	1925	1132	HP2512 (grade)	146	50	435	170	7.5	16.5	5 3/4	2	21	7	50HP200 (grade)
50HP201 (grade)	2	3200	1882	HP2520 (grade)	146	50	635	170	10	22	5 3/4	2	25	7	50HP201 (grade)

Oil removal filter element grades

SPECIFICATION	Grade WS		Grade X25		Grade X5		Grade X1		Grade XA		Grade AC	
Particle removal	-		25 micron		5 micron		1 micron		0.01 micron		0.01 micron	
Max. oil carryover at 20°C (68°F)	-	-	10 mg/m ³	10 ppm	5 mg/m ³	5 ppm	0.1 mg/m ³	0.1 ppm	0.01 mg/m ³	0.01 ppm	0.003mg/m ³	0.003ppm
Maximum temperature	120°C	248°F	120°C	248°F	120°C	248°F	120°C	248°F	120°C	248°F	25°C	77°F
Pressure loss - clean & dry	-	-	30 mbar	0.4 psi	40 mbar	0.6 psi	75 mbar	1.1 psi	100 mbar	1.5 psi	75 mbar	1.1 psi
Pressure loss - oil saturated	-	-	50 mbar	0.7 psi	75 mbar	1.1 psi	150 mbar	2.2 psi	300 mbar	4.4 psi	see notes	
Pressure loss - change element	-	-	400 mbar	6 psi	400 mbar	6 psi	400 mbar	6 psi	400 mbar	6 psi	see notes	
Maximum working pressure	50 barg (725 psig)											
Element end cap colour	Black											

Heatless regenerative dryer dust filter element grades

SPECIFICATION	Grade RX25		Grade RX5		Grade RX1		Grade RXA		Grade RAC	
Particle removal	25 micron		5 micron		1 micron		0.01 micron		0.01 micron	
Maximum oil carryover at 20°C (68°F)	-		-		-		-		0.003mg/m ³ 0.003 ppm	
Maximum temperature	120°C	248°F	120°C	248°F	120°C	248°F	120°C	248°F	25°C	77°F
Pressure loss - clean & dry	30 mbar	0.4 psi	40 mbar	0.6 psi	75 mbar	1.1 psi	100 mbar	1.5 psi	75 mbar	1.1 psi
Pressure loss - oil saturated	-		-		-		-		see notes	
Pressure loss - change element	400 mbar	6 psi	400 mbar	6 psi	400 mbar	6 psi	400 mbar	6 psi	see notes	
Maximum working pressure	50 barg (725 psig)									
Element end cap colour	Black									

NOTES

- Alloy high pressure filters are manufactured from aluminium and are PED 97/23/EC compliant.
- Threaded connections are Rc taper to ISO7/1 or NPT to ANSI B2.1 if supplied within North America, (parallel thread available upon request).
- Filter element end caps are colour coded black. Direction of air flow, in to out through filter elements for coalescing grades and out to in through filter element for dust grades.
- 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.
- Grade AC and RAC elements must be changed periodically to suit application but at least every 6 months.
- Differential pressure indicators are available (model 65 DPIW) as an option for 20 barg (290 psig) applications.
- All alloy high pressure filters are supplied with a drain plug, high pressure drain valves are available.
- Mounting brackets are available.
- All filter bodies are painted with the new Walker E-Coat™ and then coated with blue polyester powder paint finish to eliminate corrosion.
- Alloy high pressure filters and filter elements are suitable for use with mineral and synthetic oils plus oil free compressed air applications.
- Alloy high pressure filters and filter elements are silicone free.

CORRECTION FACTOR

For maximum flow rate, multiply model flow rate shown in the above table by the correction factor corresponding to the working pressure.

Operating pressure	barg	10	20	30	40	50
	psi	145	290	435	580	725
Correction factor		0.34	0.57	0.71	0.86	1.0



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