WALKER FILTRATION

The ultimate filtration & drying technology

Alloy High Pressure Filters

Models | 50HP25 to 50HP201

Flow rates 94 scfm (160 Nm³/hr) 1882 scfm (3200 Nm³/hr)

Value without compromise

Walker Filtration's unique range of 725 psig (50 barg) Alloy High Pressure Filters offer excellent value for money while delivering exceptional filtration performance.

Featuring custom engineered filtration media and available in four filtration grades from 5 to 0.01 Micron and Activated Carbon, our Alloy High Pressure Filters are available in both coalescing and reverse flow particulate (dust) filters.

Manufactured using high quality diecast aluminium with connections from ¼" to 2" and capacities up to 1882 scfm (3200 Nm³/hr), these are ideally suited to high pressure manufacturing, food & beverage, military, oil & gas and chemical applications.

All models include the Walker push-fit filter element design with double O-ring seals for extra security.

Comprehensive Range

NPT threaded connections from 1/4" to 2". RP (BSP parallel) available upon request

Performance Guaranteed

Each filter is hydrostatically tested prior to dispatch

O-ring Sealing

Double O-ring seal eliminates risk of contaminant bypass for added security

- **Advanced Filtration Technology** Custom engineered filtration media delivers exceptional filtration with minimal pressure drop
- **Corrosion Protection** Internal and external electrophoretic painting followed by tough exterior polyester powder coating
- **Quality Control** All products are CE marked and include a serial number for complete traceability
- **Performance Guaranteed** Each filter is hydrostatic tested prior to dispatch to guarantee quality and performance
- **Supplied as standard with a drain plug** High pressure drains available upon request

For further information please visit www.walkerfiltration.com

For further information please call: +1 814 836 2900

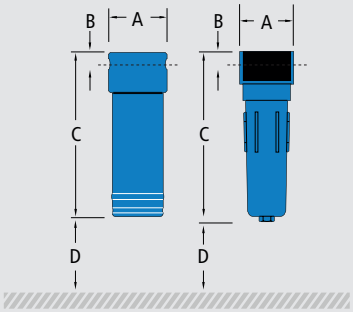
Technical Specification

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										
50HP25 (grade)	¼	94	160	2.48 (63)	0.55 (14)	5.71 (145)	1.97 (50)	1.3	0.6	HP1535 (grade)
50HP37 (grade)	⅜	147	250	2.48 (63)	0.55 (14)	6.89 (175)	1.97 (50)	1.4	0.6	HP1550 (grade)
50HP50 (grade)	½	265	450	4.33 (110)	1.50 (38)	10.75 (273)	5.91 (150)	6.1	2.8	HP2040 (grade)
50HP75 (grade)	¾	324	550	4.33 (110)	1.50 (38)	10.75 (273)	5.91 (150)	6.1	2.8	HP2540 (grade)
50HP101 (grade)	1	492	835	4.33 (110)	1.50 (38)	14.09 (358)	5.91 (150)	7.4	3.4	HP2080 (grade)
50HP150 (grade)	1½	736	1250	5.75 (146)	2.01 (51)	19.29 (490)	6.69 (170)	16.3	7.4	HP2580 (grade)
50HP151 (grade)	1½	1015	1725	5.75 (146)	2.01 (51)	19.29 (490)	6.69 (170)	16.3	7.4	HP2512 (grade)
50HP200 (grade)	2	1132	1925	5.75 (146)	2.01 (51)	19.29 (490)	6.69 (170)	15.8	7.2	HP2512 (grade)
50HP201 (grade)	2	1882	3200	5.75 (146)	2.01 (51)	27.05 (687)	6.69 (170)	21.9	9.9	HP2520 (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	0.01 ppm	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*
Maximum working pressure	725 psig (50 barg)							
Element end cap color	Black							

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*
Maximum working pressure	725 psig (50 barg)							
Element end cap color	Black							

*Recommended operating temperature 77°F (25°C)



50HP25 to 50HP37 | 50HP50 to 50HP201

Technical Notes

1. The direction of air flow is inside to out through the filter element for coalescing grades and outside to in through the filter element for dust grades.
2. All Alloy 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. Alloy High Pressure Filters and filter elements are suitable for use with mineral and synthetic oils, plus oil-free compressed air applications.
5. Threaded filters are manufactured from cast aluminum alloy and are PED 2014/68/EU compliant for group 2 gases.
6. 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: 50HP25 and 50HP37 are Rc (BSP Taper).
7. Filter elements should be changed every 12 months/8000 hours (whichever comes first). Activated carbon filter elements should be changed every 6 months.

CRN

ISO 9001

MEMBER OF CAGI Compressed Air & Gas Institute

bcas BRITISH COMPRESSED AIR SOCIETY LIMITED

THE QUEEN'S AWARDS FOR ENTERPRISE: INNOVATION 2016

Walker Filtration Inc, 4748 Pacific Avenue, Erie, PA 16506, USA
tel: +1 814 836 2900 fax: +1 814 836 7921 **email:** usa@walkerfiltration.com **web:** www.walkerfiltration.com

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