

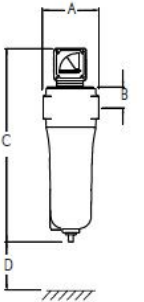
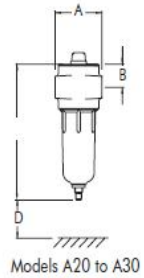
COMPRESSED AIR THREADED FILTERS

Walker Filtration design and manufacture in the UK a comprehensive range of silicone free compressed air and gas filtration products for use in almost every industrial environment. By using in-house research and development facilities we create high quality filtration products which satisfy the increasing demands of today's sophisticated market.



Within our standard range of threaded filters we offer 14 models with connections from 1/4" to 3". (A20-A308) offering flow capacities up to 1531 scfm (2600 Nm³/h). These models incorporate the unique Walker designed 'push on' filter element, which reduces maintenance time and allows the filter to be located in the most confined places. These filters are manufactured using die-cast aluminium housings for pressure ratings up to 16 barg (232 psig). They are a proven success due to the inclusion of such features as differential pressure indicators which allow continuous monitoring of filter performance.

WALKER
FILTRATION



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	
A20 (grade)	1/4	35	20	E361 (grade)	72	35	210	75	0.65	1.43	3	1 1/2	8	3	A20 (grade)
A30 (grade)	3/8	56	33	E371 (grade)	72	35	210	75	0.65	1.43	3	1 1/2	8	3	A30 (grade)
A55 (grade)	1/2	112	66	E511 (grade)	88	32	315	100	1.3	2.87	3 1/2	1 1/4	13	4	A55 (grade)
A76 (grade)	3/4	216	127	E711 (grade)	125	39	365	100	2.7	5.95	5	1 1/2	15	4	A76 (grade)
A105 (grade)	1	250	147	E811 (grade)	125	39	365	100	2.7	5.95	5	1 1/2	15	4	A105 (grade)
A106 (grade)	1	300	176	E731 (grade)	125	39	515	150	3.5	7.72	5	1 1/2	21	6	A106 (grade)
A126 (grade)	1 1/4	540	318	E821 (grade)	125	39	515	150	3.5	7.72	5	1 1/2	21	6	A126 (grade)
A153 (grade)	1 1/2	725	427	E831 (grade)	135	50	545	150	4.4	9.70	5 1/2	2	22	6	A153 (grade)
A203 (grade)	2	800	470	E831 (grade)	135	50	545	150	4.4	9.70	5 1/2	2	22	6	A203 (grade)
A205 (grade)	2	1150	675	E851 (grade)	135	50	745	150	5.0	11.0	5 1/2	2	30	6	A205 (grade)
A250 (grade)	2 1/2	1620	954	E1251 (grade)	200	68	805	200	11.5	25.4	8	2 3/4	32	8	A250 (grade)
A305 (grade)	3	1620	954	E1251 (grade)	200	68	805	200	11.5	25.4	8	2 3/4	32	8	A305 (grade)
A306 (grade)	3	2210	1301	E1261 (grade)	200	68	925	200	15.5	34.2	8	2 3/4	37	8	A306 (grade)
A308 (grade)	3	2600	1531	E1281 (grade)	230	65	1050	300	19	41.9	9	2 1/2	42	12	A308 (grade)

SPECIFICATION	GRADE X25		GRADE X5		GRADE X1		GRADE XA		GRADE AC	
Maximum particle size class to ISO 8573-1:2001(E)	4		3		2		1		1	
Maximum oil content class to ISO 8573-1:2001(E)	-		4		2		1		1	
Particle removal	25 micron		5 micron		1 micron		0.01 micron		0.01 micron	
Maximum 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	0.003 mg/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	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	16 barg	232 psig	16 barg	232 psig	16 barg	232 psig	16 barg	232 psig	16 barg	232 psig
Element end cap colour code	black		green		red		blue		black	

* ISO 8573-1:2001(E) now includes liquid, aerosol and vapour.

TECHNICAL NOTES

1. Threaded filters are manufactured from aluminium and are PED 97/23/EC compliant.
2. Threaded connections are BSP parallel to ISO7/1 or NPT to ANSI B2.1 if supplied within North America.
3. Filter element end caps are colour coded. Direction of air flow, inside to out, through filter element.
4. Activated carbon filters must not operate in oil saturated conditions and will not remove certain types of gases including carbon monoxide and carbon dioxide.
5. Grade AC elements must be changed periodically to suit application but at least every 6 months.
6. Activated carbon towers for larger applications are available to order. Please refer to activated carbon tower leaflet.
7. Pop up indicators are supplied with models A20 (grade) and A30 (grade). Differential pressure indicators are fitted to models A55 (grade) to A308 (grade), part number 55DPIW (with the exception of grade AC). AC grade filters do not include 55DPIW differential pressure indicator.
8. Float operated automatic drain valves with manual override facility are fitted to all standard models. Semi automatic drain valves with manual override facility are fitted to all AC grade filters.
9. Mounting brackets are available for all models.
10. All filter bodies feature the Walker E-Coat™ corrosion protection as standard and are then coated with blue polyester powder paint finish.
11. Threaded filters and filter elements are suitable for use with mineral and synthetic oils plus oil free compressed air applications.
12. For larger flow application please refer to the flanged filter leaflet.
13. Threaded 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	0.3	0.6	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	psi	4	9	14.5	29	44	58	72	87	100	115	130	145	160	174	189	203	218	232
Correction Factor		0.21	0.29	0.38	0.53	0.65	0.76	0.84	0.92	1	1.07	1.13	1.19	1.25	1.31	1.36	1.41	1.46	1.51



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