

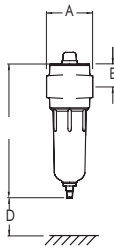
MEDICAL STERILE FILTERS



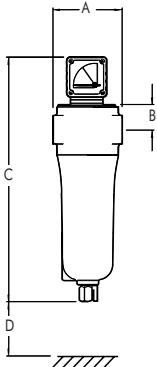
Walker Filtration medical sterile compressed air filters have been specifically designed for medical compressed air plants as used in hospitals throughout the world. This range of medical filters meets all requirements of HTM2022 medical gas pipeline systems specification. Medical sterile compressed air filters are constructed from the highest quality materials. Integrity tested before despatch, this filtration system provides particle removal down to 0.01 micron and DOP penetration of less than 0.0001%. Filter housings are manufactured from die cast aluminium and are suitable for use at pressures up to 16 barg (232 psig) and are fitted with a 1/4" manual drain valve. Full corrosion protection is given by the use of Walker E-Coat™ both inside and out followed by a tough polyester powder coating on the outside. A standard feature of these housings are differential pressure indicators. The indicators allow

continuous monitoring of filter performance and indicate the optimum point at which the filter element should be replaced. The SR elements are suitable for steam sterilisation in an autoclave and are guaranteed for a minimum of 100 sterilisations at 120°C (248°F). Each element must be autoclaved before commencement of duty in accordance with BS EN 285.

**WALKER
FILTRATION**



Models A20 to A30



Models A55 to A308

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 MS	1/4	35	20	E361 SR	72	35	210	75	0.65	1.43	2 7/8	2	9	3	A20 MS
A30 MS	3/8	52	30	E371 SR	72	35	210	75	0.65	1.43	2 7/8	2	9	3	A30 MS
A55 MS	1/2	108	63	E511 SR	88	32	315	100	1.3	2.87	3 1/2	2	13	4	A55 MS
A76 MS	3/4	216	127	E711 SR	125	39	365	100	2.7	5.95	5	2	15	4	A76 MS
A105 MS	1	250	147	E811 SR	125	39	365	100	2.7	5.95	5	2	15	4	A105 MS
A106 MS	1	300	176	E731 SR	125	39	515	150	3.5	7.72	5	2	21	6	A106 MS
A126 MS	1 1/4	540	318	E821 SR	125	39	515	150	3.5	7.72	5	2	21	6	A126 MS
A153 MS	1 1/2	725	427	E831 SR	135	50	545	150	4.4	9.70	5 3/8	2	22	6	A153 MS
A203 MS	2	800	470	E831 SR	135	50	545	150	4.4	9.70	5 3/8	2	22	6	A203 MS
A205 MS	2	1150	675	E851 SR	135	50	745	150	5.0	11.0	5 3/8	2	30	6	A205 MS
A250 MS	2 1/2	1620	954	E1251 SR	200	68	805	200	11.5	25.4	7 7/8	3	32	8	A250 MS
A305 MS	3	1620	954	E1251SR	200	68	805	200	11.5	25.4	7 7/8	3	32	8	A305 MS
A306 MS	3	2210	1301	E1261SR	200	68	925	200	15.5	34.2	7 7/8	3	37	8	A306 MS
A308 MS	3	2600	1531	E1281 SR	230	65	1050	300	19	41.9	9 1/4	3	42	12	A308 MS

SPECIFICATION	GRADE SR	
Particle removal	0.01 micron	
Maximum operating temperature	120°C (50°C recommended)	248°F (122°F recommended)
Pressure loss - clean	100 mbar	1.5 psi
Pressure loss - change element	400 mbar	6 psi
Maximum steam sterilising temperature in accordance with BS EN 285	134°C (see note 9)	273°F
Maximum working pressure	16 barg	232 psig
Element end cap material	Stainless steel	

NOTE:- Pre-filtration should be used in conjunction with 0.01 micron sterile filters.
Elements are suitable for autoclave steam sterilisation, (see notes)

NOTES

- Medical sterile filters are manufactured from aluminium and are PED 97/23/EC compliant.
- Threaded connections are BSP parallel to ISO7/1 or NPT to ANSI B2.1 if supplied within North America.
- Filter element end caps are stainless steel. Direction of air flow, outside to in through filter element.
- Pop up indicators are supplied to models A20 MS and A30 MS. Differential pressure indicators are fitted to models A55 MS to A308 MS, part number 55DP1W, as specified in the medical gas pipeline systems specification HTM2022.
- Manual drain valves, model MDV25 are fitted to all models.
- Mounting brackets are available for all models.
- All filter bodies feature the Walker E-Coat™ and are then coated with blue polyester powder paint finish to eliminate corrosion.
- Medical sterile filter elements must not operate in water or oil saturated conditions.
- Maximum steam sterilising temperature refers to the filter element ONLY. Grade SR filter elements can be steam sterilised 100 times. Each element must be autoclaved before commencement of duty in accordance with BS EN 285.

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
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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