

COMPRESSED AIR FILTERS MICROCOMP MEDICAL STERILE FILTERS

Medical sterile compressed air filters which have been specifically designed for medical compressed Air Plants are manufactured under the range of Mikropor compressed air filters. Medical Sterile Compressed Air Filters are constructed from the highest quality materials and assure absolute reliability.

This filtration system provides partial removal down to 0.01 micron and DOP penetration of less than 0.001%. Filter housings are manufactured from die cast aluminium and are suitable for use at pressures up to 16 bar g and are fitted with a Rp 1/4 manual drain valve. Mikropor medical sterile compressed air filters overcome the corrosion. An electrostatic powder paint is applied to all surfaces to ensure excellent protection. Inner surfaces are painted by a special anti-corrosion paint to ensure max. corrosion control. Mikropor assume the aim of determining the optimum replacement time. The pressure indicators which are supplied as standard indicate replacing time of the filter element. The strong and light form of Mikropor filters and elements extend continuous filter performance and long service life with reducing maintenance time.

All our housings has tie rod system. It ensures easy maintenance.

The SS elements are suitable for steam sterilisation in an autoclave.



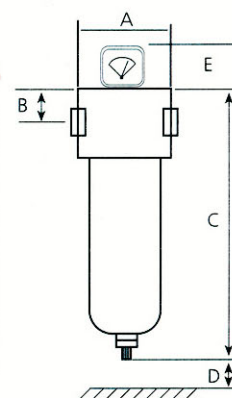
TECHNICAL DATA

FILTER MODEL	PIPE SIZE	FLOW RATE (m ³ /h scfm)		ELEMENT MODEL	HOUSING DIMENSIONS (mm)				
					A	B	C	D	E
G24	1/4"	24	14	M24 SS	72	19	193	100	22
G48	3/8"	48	29	M48 SS	72	19	193	100	22
G25	1/4"	25	15	M25 SS	96	20	237	110	22
G50	3/8"	50	30	M50 SS	96	20	237	110	22
G100	1/2"	100	58	M100 SS	96	20	237	150	22
G150	3/4"	150	88	M150 SS	117	34	375	190	56
G200	3/4"	200	117	M200 SS	117	34	375	250	56
G250	1"	250	147	M250 SS	117	34	465	300	56
G300	1 1/4"	300	176	M300 SS	117	34	465	350	56
G500	1 1/4"	500	294	M500 SS	117	34	530	380	56
G600	1 1/2"	600	353	M600 SS	117	34	530	425	56
G851	2"	851	500	M851 SS	170	64	722	480	56
G1210	2"	1210	712	M1210 SS	170	64	722	550	56
G1510	2 1/2"	1510	888	M1510 SS	235	72	760	430	56
G1810	3"	1810	1065	M1810 SS	235	72	760	550	56
G2210	3"	2210	1300	M2210 SS	235	72	760	600	56
G3600	4"	3600	2118	M1200 SSx3	360	126	840	650	56

SPECIFICATION

GRADE SS

Particle Removal		0.01 Micron
Element Endcap Material		Stainless Steel
Max. Working Temperature (°C)		50°C
Pressure Loss - clean and dry (mbar)		100 mbar
Pressure Loss for Element Change (mbar)		400 mbar
Max. Working Pressure (barg)		16
Max. steam sterilising temperature		130°C



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)	1	3	5	7	9	11	13	15	17	20
PSIG	15	44	73	100	131	160	189	218	247	290
Correction Factor	0,5	0,71	0,87	1	1,12	1,22	1,32	1,44	1,57	1,7

NOTES

- 1) Manual drain valves are fitted as standard.
- 2) Grade SS must not operate in oil saturated conditions.
- 3) Pop-up indicators supplied as standard to models G24, G48, G25, G50 and G100. Diff. Pressure Gauge type pressure indicators are fitted to models G150 to G2210 as standard. Also gauge type indicator can be fitted to G25, G50 and G100
- 4) The above housings require only one filter element except G3600. G3600 Housing requires 3 elements.
- 5) Also gauge type indicator can be fitted to G24, G48, G25, G50 and G100.

ORDERING :

The complete filter model number contains the size and grade, example - 1" general purpose filter model G250MSS with replacement filter element model M250 SS. 250 represents 250 m³/h capacity and SS represents sterile element with stainless steel and caps.

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