Compressed Air Line Filters



Particulate Filtration Grade D



REFERENCE CONDITIONS

Size	from 1 to 18
Compressed air effective inlet pressure (bar(g))	7
Ambient air temperature (°C)	20
Compressed air inlet temperature (°C)	20
Compressed air inlet dewpoint (°C)	10
Test oil aerosol inlet concentration (mg/m³)	-

LIMITATIONS

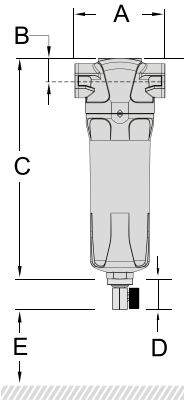
Size	from 1 to 18
Minimum ambient temperature (°C)	-20
Maximum ambient temperature (°C)	50
Minimum compressed air inlet pressure (bar(g))	1.5
Maximum compressed air inlet pressure (bar(g))	20.7
Minimum compressed air inlet temperature (°C)	0
Maximum compressed air inlet temperature (°C)	120
Maximum time in use for element change (month) O	12
Maximum running hours for element change (h) O	8000

DESIGN DATA ●

Size	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Nominal volume flow at filter inlet (l/s)	2.8	6.9	11.7	15	23.6	33.1	40	49.4	58.9	82.5	132.2	151.4	212.5	330.3	401.1	424.7	590.3	708.3
Dimensions of inlet and outlet connections (BSP / NPT)	1/8	1/4	1/4	3/8	1/2	1/2	3/4	1	3/4	1	1 1/4	1 1/2	2	2	2 1/2	3	3	3
Bowl connection at the bottom (BSP)	1/4	1/4	1/4	1/4	1/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
Number of filter elements	1																	
Filter dimension A (mm)	50	50	70	70	70	127	127	127	127	127	140	140	170	170	220	220	220	220
Filter dimension B (mm)	17	17	24	24	24	32	32	32	32	32	40	40	53	53	70	70	70	70
Filter dimension C (mm)	157	157	231	231	231	285	285	285	371	371	475	475	508	708	736	736	857	1005
Drain length D (mm)	32	32	32	32	32	42	42	42	42	42	42	42	42	42	42	42	42	42
Service distance E (mm)	60	60	70	70	70	80	80	80	80	80	80	80	100	100	100	100	100	100
Filter volume (head+bowl) (lt.)	0.1	0.1	0.3	0.3	0.3	1.1	1.1	1.1	1.5	1.5	2.6	2.6	3.5	5.3	9.4	9.4	12	14
Weight (kg)	0.25	0.25	0.6	0.6	0.6	1.7	1.7	1.7	2	2	3	3	4.9	5.5	10.5	10.5	11.5	12.5
Shipping length (mm)	260	260	390	390	390	460	460	460	575	575	705	705	720	1020	1175	1175	1175	1300
Shipping width (mm)	65	65	85	85	85	130	130	130	130	130	170	170	185	185	240	240	240	240
Shipping height (mm)	65	65	85	85	85	125	125	125	125	125	150	150	185	185	220	220	220	220

PERFORMANCE DATA ●

Size	from 1 to 18
Particle removal (micron) ■	0.01
Outlet oil aerosol concentration (mg/m³) ■	-
Total mass efficiency (%)	-
Quality class of air at outlet (particles) ▲	1
Initial pressure drop over filter in dry applications (bar)	0.085
Initial pressure drop over filter in wet applications (bar)	-



● At reference conditions, unless otherwise stated and according to ISO 1217, third edition, annex C.
■ Referred to an absolute pressure of 1 bar and temperature of 20° C
▲ According to ISO 8573-1:2010 in a typical installation
O Whichever comes first.

Pressure correction factors	For maximum flow rate. multiply model flow rate by the correction factor corresponding to the minimum operating pressure									
Operating pressure barg (psig)	4 (58)	5 (72)	6 (87)	**7 (100)**	8 (115)	10 (145)	12 (174)	14 (203)	16 (232)	20 (290)
Correction factor	0.76	0.84	0.92	**1.00**	1.07	1.19	1.31	1.41	1.51	1.6