

Compressed Air Line Filters



Coalescing Filtration Grade P

REFERENCE CONDITIONS

Size	from 1 to 18
Compressed air effective inlet pressure (psi(g))	102
Ambient air temperature (°F)	68
Compressed air inlet temperature (°F)	68
Compressed air inlet dewpoint (°F)	50
Test oil aerosol inlet concentration (mg/m ³)	10

LIMITATIONS

Size	from 1 to 18
Minimum ambient temperature (°F)	-4
Maximum ambient temperature (°F)	122
Minimum compressed air inlet pressure (psi(g))	21,8
Maximum compressed air inlet pressure (psi(g))	232
Minimum compressed air inlet temperature (°F)	32
Maximum compressed air inlet temperature (°F)	176
Maximum time in use for element change (month) ○	12
Maximum running hours for element change (h) ○	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 (SCFM)	6	15	25	32	50	70	85	105	125	175	280	321	450	700	850	200	1251	1501
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 (in)	1,969	1,969	2,756	2,756	2,756	5,000	5,000	5,000	5,000	5,000	5,512	5,512	6,693	6,693	8,661	8,661	8,661	8,661
Filter dimension B (in)	0,669	0,669	0,945	0,945	0,945	1,260	1,260	1,260	1,260	1,260	1,575	1,575	2,087	2,087	2,756	2,756	2,756	2,756
Filter dimension C (in)	6,181	6,181	9,094	9,094	9,094	11,220	11,220	11,220	14,606	14,606	18,701	18,701	20,000	27,874	28,976	28,976	33,740	39,567
Drain length D (in)	1,102	1,102	1,102	1,102	1,102	1,181	1,181	1,181	1,181	1,181	1,181	1,181	1,181	1,181	1,181	1,181	1,181	1,181
Service distance E (in)	2,362	2,362	2,756	2,756	2,756	3,150	3,150	3,150	3,150	3,150	3,150	3,150	3,937	3,937	3,937	3,937	3,937	3,937
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 (lb)	0,6	0,6	1,3	1,3	1,3	3,7	3,7	3,7	4,4	4,4	6,6	6,6	10,8	12,1	23,1	23,1	25,4	27,6
Shipping length (in)	10,236	10,236	15,354	15,354	15,354	18,110	18,110	18,110	22,638	22,638	27,756	27,756	28,346	40,157	46,260	46,260	46,260	51,181
Shipping width (in)	2,559	2,559	3,346	3,346	3,346	5,118	5,118	5,118	5,118	5,118	6,693	6,693	7,283	7,283	9,449	9,449	9,449	9,449
Shipping height (in)	2,559	2,559	3,346	3,346	3,346	4,921	4,921	4,921	4,921	4,921	5,906	5,906	7,283	7,283	8,661	8,661	8,661	8,661

PERFORMANCE DATA ●

Size	from 1 to 18
Particle removal (micron) ■	5
Outlet oil aerosol concentration (mg/m ³) ■	1
Total mass efficiency (%)	>90
Quality class of air at outlet (particles / oil) ▲	4 / 3
Initial pressure drop over filter in dry applications (psi)	0,7
Initial pressure drop over filter in wet applications (psi) ★	1,2

● At reference conditions, unless otherwise stated and according to ISO 1217, third edition, annex C.

■ Referred to an absolute pressure of 14,5 psig and temperature of 68° F

▲ According to ISO 8573-1:2010 in a typical installation

★ According to ISO 12500-1 at oil concentration upstream of the filter of 10 mg/m³.

○ 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	-