

Compressed Air Line Filters

QAF - Oil Vapor Filtration

REFERENCE CONDITIONS

Size	6-1500 cfm
Compressed air effective inlet pressure (psi(g))	100
Ambient air temperature (°F)	68
Compressed air inlet temperature (°F)	68
Compressed air inlet dewpoint (°F)	-
Test oil aerosol inlet concentration (mg/m ³)	0.01

LIMITATIONS

Size	6-1500 cfm
Minimum ambient temperature (°F)	-4
Maximum ambient temperature (°F)	122
Minimum compressed air inlet pressure (psi(g))	22
Maximum compressed air inlet pressure (psi(g))	300
Minimum compressed air inlet temperature (°F)	32
Maximum compressed air inlet temperature (°F)	122
Maximum time in use for element change (month) ○	6
Maximum running hours for element change (h) ○	1000*

*@ 68° F operating temperature

DESIGN DATA ●

Size	6	15	25	32	50	70	85	105	125	175	280	321	450	700	850	900	1250	1500
Nominal volume flow at filter inlet (cfm)	4	/3	03	10	3.	5.	63	/ .3	/03	/53	06.	10/	23.	5..	63.	7..	/03.	/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 (in)	2.0	2.0	2.8	2.8	2.8	5.0	5.0	5.0	5.0	5.0	5.5	5.5	6.7	6.7	8.7	8.7	8.7	8.7
Filter dimension B (in)	0.7	0.7	0.9	0.9	0.9	1.3	1.3	1.3	1.3	1.3	1.6	1.6	2.1	2.1	2.8	2.8	2.8	2.8
Filter dimension C (in)	6.2	6.2	9.1	9.1	9.1	11.2	11.2	11.2	14.6	14.6	18.7	18.7	20.0	20.0	29.0	29.0	33.7	39.6
Drain length D (in)	1.3	1.3	1.3	1.3	1.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Service distance E (in)	2.4	2.4	2.8	2.8	2.8	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.9	3.9	3.9	3.9	3.9	3.9
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 (lbs)	0.5	0.5	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)	10.2	10.2	15.4	15.4	15.4	18.1	18.1	18.1	22.6	22.6	27.8	27.8	28.3	40.2	46.3	46.3	46.3	51.2
Shipping width (in)	2.6	2.6	3.3	3.3	3.3	5.1	5.1	5.1	5.1	5.1	6.7	6.7	7.3	7.3	9.4	9.4	9.4	9.4
Shipping height (in)	2.6	2.6	3.3	3.3	3.3	4.9	4.9	4.9	4.9	4.9	5.9	5.9	7.3	7.3	8.7	8.7	8.7	8.7

PERFORMANCE DATA ●

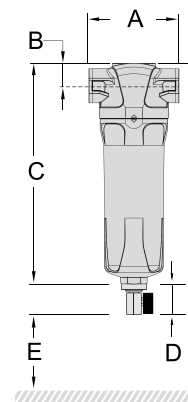
Size	6-1500 cfm
Particle removal (micron) ■	-
Outlet oil aerosol concentration (mg/m ³) ■	0.003
Total mass efficiency (%)	-
Quality class of air at outlet (oil) ▲	1
Initial pressure drop over filter in dry applications (psi)	1.7
Initial pressure drop over filter in wet applications (psi)	-

● 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

○ 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