

Compressed Air Threaded Filters

A comprehensive range of threaded filters with 19 models offering connections from ¼" to 3" and capacities up to 1500 SCFM (2550 Nm³/h).

- Optimized modular housing design ensures high performance, ease of installation and multiple close coupling
- Manufactured in cast aluminum alloy with E-coat™ protection for a robust and corrosion resistant product
- Custom engineered filtration media for optimized performance & efficiency
- Oleophobic borosilicate filter media and a custom engineered anti re-entrainment layer guarantees exceptional dirt holding and oil drainage
- Unique construction minimizes pressure drop and improves energy efficiency
- An advanced endcap design which engages with the bowl, prevents vibration, improves stability and assists drainage
- Color coded elements make filtration grade identification swift and simple
- Independently tested and validated to ISO 12500



filter model	pipe size	flow rate*		dimensions (inches)				dimensions (mm)				weight		element model
		SCFM	Nm ³ /h	A	B	C	D	A	B	C	D	lb	Kg	
A018 (grade)	¼	8	13.6	2	1	6	3	50	18	152	75	0.66	0.3	E0304 (grade)
A019 (grade)	¼	15	25.5	2	1	6	3	50	18	152	75	0.66	0.3	E0305 (grade)
A028 (grade)	¼	25	42.5	3	1	7½	3½	70	25	191	85	1.3	0.6	E0406 (grade)
A038 (grade)	⅜	35	59.5	3	1	7½	3¼	70	25	191	95	1.3	0.6	E0407 (grade)
A058 (grade)	½	50	85.0	3	1	9	5	70	25	232	135	1.54	0.7	E0413 (grade)
A059 (grade)	½	70	119	4	1½	11	6	100	35	276	155	3.5	1.6	E0613 (grade)
A078 (grade)	¾	85	144	4	1½	11	6	100	35	276	155	3.5	1.6	E0613 (grade)
A079 (grade)	¾	125	212	4	1½	15½	9	100	35	396	225	4.4	2.0	E0620 (grade)
A108 (grade)	1	135	229	4	1½	15½	9	100	35	396	225	4.4	2.0	E0620 (grade)
A109 (grade)	1	175	297	4	1½	15½	11	100	35	396	275	4.4	2.0	E0625 (grade)
A128 (grade)	1¼	280	476	5	1¾	18	12½	122	42	460	320	6.2	2.8	E0730 (grade)
A158 (grade)	1½	320	545	6	1¾	18	12½	122	42	460	320	6.2	2.8	E0730 (grade)
A159 (grade)	1½	400	680	6	2	19	13	146	52	482	325	9.3	4.2	E0830 (grade)
A208 (grade)	2	450	765	6	2	19	13	146	52	482	325	9.3	4.2	E0830 (grade)
A209 (grade)	2	700	1190	6	2	40	25	146	52	785	630	13.9	6.3	E0860 (grade)
A254 (grade)	2½	850	1445	8½	2½	23½	16	210	66	595	410	18.7	8.5	E1140 (grade)
A340 (grade)	3	900	1530	8½	2½	23½	16	210	66	595	410	18.7	8.5	E1140 (grade)
A360 (grade)	3	1250	2125	8½	2½	32	25	210	66	815	630	23.1	10.5	E1160 (grade)
A390 (grade)	3	1500	2550	8½	2½	38½	31	210	66	975	785	26.4	12.0	E1175 (grade)

* 100 psig, 68°F conditions

Grade	X25		X5		X1		XA		AC	
Particle removal	25 micron		5 micron		1 micron		0.01 micron		0.01 micron	
Maximum particle size class**	-		3		2		1		1	
Maximum oil content	-		4		2		1		1	
Maximum oil carryover at 20°C (68°F)	10 ppm	10 mg/m ³	5 ppm	5 mg/m ³	0.1 ppm	0.1 mg/m ³	0.01 ppm	0.01 mg/m ³	0.003 ppm	0.003 mg/m ³
Pressure loss: clean and dry	0.4 psi	30 mbar	0.6 psi	40 mbar	1.1 psi	75 mbar	1.5 psi	100 mbar	1.1 psi	75 mbar
Pressure loss: saturated	0.7 psi	50 mbar	1.1 psi	75 mbar	2.2 psi	150 mbar	4.4 psi	300 mbar	-	-
Pressure loss: element change	6 psi	400 mbar	6 psi	400 mbar	6 psi	400 mbar	6 psi	400 mbar	1000 hours	6 months
Maximum temperature	248°F	120°C	248°F	120°C	248°F	120°C	248°F	120°C	77°F	25°C
Maximum working pressure	232 psig	16 barg	232 psig	16 barg	232 psig	16 barg	232 psig	16 barg	232 psig	16 barg
Element end cap color	black		green		red		blue		black	

** to ISO 8573-1:2001 (E)



65DPUGA



65DPIG

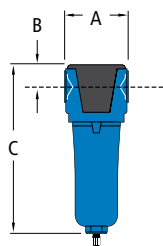
pressure correction factors

for maximum flow rate, multiply model flow rate by the correction factor corresponding to the minimum operating pressure

Operating pressure psig (barg)	58 (4)	72 (5)	87 (6)	100 (7)	115 (8)	145 (10)	174 (12)	203 (14)	232 (16)
7 barg - correction factor	0.76	0.84	0.92	1.00	1.07	1.19	1.31	1.41	1.51

technical notes

- Direction of air flow is inside to out through the filter element.
- Pop up indicators (65DPUG) are fitted to models A028 to A058 as standard. Differential pressure indicators (65DPIG) are fitted to models A059 to A390 as standard.
- Threaded filters are fitted with float operated automatic drain valves. ADV6000C on models A018 to A058 and ADV6000 on models A059 to A390. Models A059 to A390 can be adapted to use ¼" drains with a reducer.
- Activated carbon filters must not operate in oil saturated conditions and will not remove certain types of gases including carbon monoxide (CO) and carbon dioxide (CO₂).
- Threaded filters are manufactured from cast aluminum alloy and are designed generally in accordance with ASME VIII and CRN approved.
- Threaded connections are Rp (BSP parallel) to ISO 7/1 or NPT to ANSI B2.1 if supplied within North America.
- For BSP connections, add the suffix B e.g. A018WSB.
- Filter elements should be changed every 12 months / 8000 hours (whichever comes first). Activated carbon filter elements should be changed every six months / 4000 hours (whichever comes first).
- Filters are suitable for use with mineral and synthetic oils plus oil-free compressed air applications.
- Silicone free options are available, please contact Sales for details.



A018 (grade) to A390 (grade)