

Compressed Air Dust Filters



Alpha Series dust removal filters are perfect for installation downstream of regenerative air and gas dryers to reduce the need for system maintenance.

1/4" to 3" threaded housings are manufactured in robust cast aluminium with a corrosion protective Walker E-Coat™ finish. Our advanced modular design ensures optimum flows, ease of installation and multiple close coupling.

Unique custom developed filter media

Our unique oleophobic borosilicate media ensures exceptional dirt holding, drainage and minimises pressure drop. This unique construction delivers reliable filtration with improved energy efficiency.

Colour coded, drop-fit elements in 5 grades

The unique drop-fit elements engage with the bowl, preventing vibration and improving stability in reverse flow applications. Colour coded elements facilitate easy grade identification.

Independently tested and validated to ISO 12500



Applications include

- Chemical
- Dental
- Electronics
- Emissions Monitoring
- Food & Beverage
- Instrumentation
- Laboratories
- Laser Cutting
- Manufacturing
- Military
- Oil & Gas
- Paint Applications
- Pharmaceutical Manufacturing
- Railway



THE QUEEN'S AWARDS
FOR ENTERPRISE:
INTERNATIONAL TRADE
2006





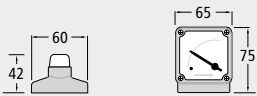
Technical Specification

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

* Rated flow at 7 barg, reference conditions 1 bar (a) 20°C

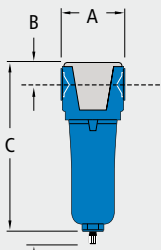
	RX25		RX5		RX1		RXA		RAC	
Particle removal	25 micron		5 micron		1 micron		0.01 micron		0.01 micron	
Maximum particle size class**	-		3		2		1		1	
Maximum temperature	120°C	248°F	120°C	248°F	120°C	248°F	120°C	248°F	25°C	77°F
Pressure loss - clean & dry	30 mbar	0.4 psi	40 mbar	0.6 psi	75 mbar	1.1 psi	100 mbar	1.5 psi	75 mbar	1.1 psi
Pressure loss - change element	400 mbar	6 psi	400 mbar	6 psi	400 mbar	6 psi	400 mbar	6 psi	at least every 6 months	
Maximum working pressure	16 barg	232 psig	16 barg	232 psig	16 barg	232 psig	16 barg	232 psig	16 barg	232 psig
Element end cap colour	black		green		red		blue		black	

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



65DPUGA

65DPIG



A018 (grade) to A390 (grade)

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)
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 outside to in 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. AC grade filters do not include DP equipment.
- 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 and duplex filters are manufactured from cast aluminium alloy and are PED 97/23/EC compliant for group 2 gases.
- Threaded connections are Rp (BSP parallel) to ISO 7/1 or NPT to ANSI B2.1 if supplied within North America.
- For NPT connections, add the suffix N e.g. A018WSN.
- Filter elements should be changed every 12 months / 8000 hours (whichever comes first). Activated carbon filter elements should be changed every 6 months / 1000 hours (whichever comes first).
- Silicone free options are available, please contact Sales for details.
- Filters are suitable for use with mineral and synthetic oils, plus oil-free compressed air applications.