

# OMEGA COMPRESSORS

## Compressed Air Threaded Filters



For us, it's not just business. It's personal.

# Compressed Air Threaded Filters

A comprehensive range of threaded filters with 17 models offering connections from 1/4" to 3" and capacities up to 1500 SCFM (2550 Nm<sup>3</sup>/h).

Optimized modular housing design ensures high performance, ease of installation and multiple close coupling. Manufactured in cast aluminium alloy with E-coat™ protection for a robust and corrosion resistant product.

## Custom engineered media for optimized performance & efficiency

Oleophobic borosilicate media and a custom engineered anti re-entrainment layer guarantees exceptional dirt holding and drainage. Unique material construction minimizes pressure drop and improves energy efficiency.

## Self centralizing, drop-fit, anti-vibration, colour coded elements

A unique endcap design which engages with the bowl, prevents vibration, improves stability and assists drainage. Colour coded elements make grade identification swift and simple.

Independently tested and validated to ISO 12500

### Applications Include:

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



# Compressed Air Threaded Filters

## Technical Specification

FILTER MODEL	PIPE SIZE	FLOW RATE*		DIMENSIONS (MM)				WEIGHT KG	ELEMENT MODEL
		Nm <sup>3</sup> /h	SCFM	A	B	C	D		
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

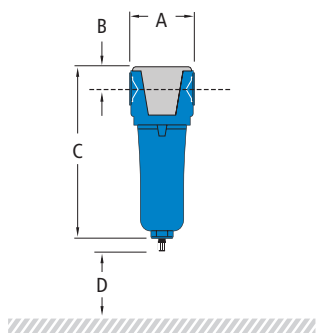
	X1		XA		AC	
Particle removal	1 micron		0.01 micron		0.01 micron	
Maximum particle size class**	2		1		1	
Maximum oil content	2		1		1	
Maximum oil carryover at 20°C (68°F)	0.1 mg/m <sup>3</sup>		0.01 mg/m <sup>3</sup>		0.003 mg/m <sup>3</sup>	
Pressure loss: clean and dry	75 mbar	1.1 psi	100 mbar	1.5 psi	75 mbar	1.1 psi
Pressure loss: saturated	150 mbar	2.2 psi	300 mbar	4.4 psi	-	
Pressure loss: element change	400 mbar	6 psi	400 mbar	6 psi	6 months	1000 hours
Maximum temperature	120°C	248°F	120°C	248°F	25°C	77°F
Maximum working pressure	16 barg	232 psig	16 barg	232 psig	16 barg	232 psig
Element end cap colour	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 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. 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 (CO<sub>2</sub>).
- Threaded filters are manufactured from cast aluminium alloy and are PED 97/23/EC compliant for group 2 gases.
- Threaded connections are NPT to ANSI B2.1
- 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).
- 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.

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## Compressed Air Accessories

Aluminum Air Piping	Magnetic Starters
Ball Valves	Oil Monitors
Check Valves	Oil/Water Separators
Compressed Air Filters	Pilot Valves
Compressor Oil	Pneumatic Auto Drains
Compressor Pumps	Pressure Switches
Desiccant Air Dryers	Refrigerated Air Dryers
Electric Motors	Remote Air Receivers
Electronic Auto Drains	Safety Valves
Filter Elements	Service Parts
Filter - Regulators - Lubricators	Throttle Controls
Flex Hose Connectors	Vibration Isolators
Gauges	Water Separators

1 year limited warranty

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Distributed by:

63 Morrow Rd.  
Barrie, ON Canada L4N 3V7  
Tel: 800-668-8448 or (705) 721-9500  
Fax: (705) 721-8646  
Email: [info@omegacompressors.com](mailto:info@omegacompressors.com)  
[www.omegacompressors.com](http://www.omegacompressors.com)