

# 3

## ELGI Airmate Filters

# Air Quality as per ISO 8573-1

Competition

ELGI



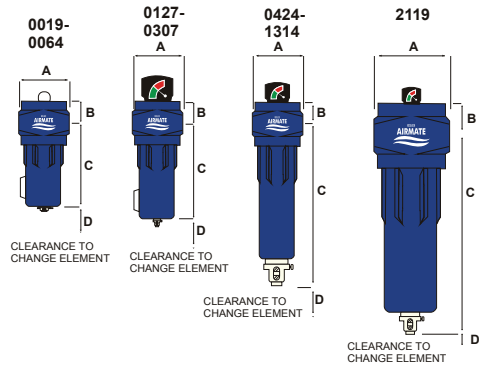
Rapid corrosion of untreated aluminium



No corrosion with Alocrom treatment

### Alocrom aluminium treatment

The Alocrom aluminium treatment is a special feature of all ELGI Airmate die-cast filter housings. This treatment ensures there is no corrosion and no carry over of corroded particles into the airline, which can otherwise cause blockades in sophisticated parts.



### GRADE PF

**High efficiency General Purpose Protection:** For the removal of particles down to 1 micron including coalesced liquid water and oil, providing a maximum remaining oil aerosol content of 0.5 mg/m<sup>3</sup> @ 21°C.

### GRADE FF

**High Efficiency Oil Removal Filtration:** For the removal of particles down to 0.01 micron including water and oil aerosols, providing a maximum remaining oil aerosol content of 0.01 mg/m<sup>3</sup> @ 21°C. (Precede grade FF with Grade PF)

### GRADE CF

**Activated Carbon Filtration:** For the removal of oil vapour and hydrocarbon odour giving a maximum remaining oil content of <0.003 mg/m<sup>3</sup> (<0.003 ppm) (excluding methane) @ 21°C. (Precede Grade CF with Grade FF & PF)

## The ELGI Airmate Filters Edge - In Black & White

Filter Type	Pipe size	Engineering Data						Weight (kg)	Replacement element kit	
		Flow rates @ 7 bar g (100 psi g)		Dimensions (mm)					Type	No.
		cfm	m <sup>3</sup> /h	A	B	C	D			
(grade) 0019	G 1/4	19	32	76	34.5	133	70	0.5	(grade) E 0019	1
(grade) 0036	G 3/8	36	61	89	42	158	95	1.0	(grade) E 0036	1
(grade) 0064	G 1/2	64	108	89	42	194	130	1.1	(grade) E 0064	1
(grade) 0127	G 3/4	127	216	120	58	251	172	2.4	(grade) E 0127	1
(grade) 0170	G1	170	288	120	58	351	272	2.9	(grade) E 0170	1
(grade) 0254	G1 1/4	254	432	120	58	351	272	2.9	(grade) E 0254	1
(grade) 0307	G1 1/2	307	522	120	58	351	272	2.9	(grade) E 0307	1
(grade) 0424	G1 1/2	424	720	160	66.5	511	320	9.1	(grade) E 0424	1
(grade) 0466	G2	466	792	160	66.5	511	320	9.1	(grade) E 0466	1
(grade) 0699	G2	699	1188	160	66.5	816	625	12.9	(grade) E 0699	1
(grade) 0848	G2 1/2	848	1440	202	79	602	400	12.1	(grade) E 0848	1
(grade) 0911	G3	911	1548	202	79	602	400	11.9	(grade) E 0911	1
(grade) 1314	G3	1314	2232	202	79	844	625	20.9	(grade) E 1314	1
(grade) 2119	G4	2119	3600	420	82	1095	570	44.5	(grade) E 0699	1

## Technical Data

Maximum operating pressure (0019 to 2119) with Autodrain	16 bar g (232 psi g)	Maximum recommended operating temperature (Grade CF)	30° C (86° F)	Initial 'dry' differential pressure Grade PF - 70m bar (1.0 psi) Grade FF - 100m bar (1.5 psi) Grade CF- 70m bar (1.0 psi)	Initial 'wet' differential pressure Grade PF- 140m bar (2.0 psi) Grade FF- 200m bar (3.0 psi) Grade CF-N/A
Maximum operating pressure (0018 to 2119) with manual drain	20 bar g (290 psi g)				
Maximum recommended operating temperature (Grade PF/FF)	66° C (150° F)	Minimum recommended operating temperature	1.5° C (35° F)	Maximum recommended pressure differential for element change: (PF, FF filters only) 340m bar.	

## For Flow Rates at other pressures, apply the factor shown

Line	bar g	1	2	3	5	7	9	11	13	15	17	20
Pressure	psi g	15	29	44	73	100	131	160	189	218	247	290
Correction Factor		0.38	0.53	0.65	0.85	1.0	1.13	1.25	1.36	1.46	1.56	1.7

The CF Filter will not remove CO/CO<sub>2</sub> or other toxic gases or fumes.