



domnick hunter

Serving the Automotive Industry Worldwide



OIL-Xplus SF Silicone-Free Filters

for Pure Compressed Air
in the Automotive Industry

Quality Air means a Quality Finish

Compressed air contamination is a real and costly problem

Compressed air, although safe, powerful and reliable, will contain unwanted contamination in the form of dirt, water and degraded lubricating oil. These contaminants mix together to form an acidic, abrasive sludge even when oil-free compressors are used. A high quality surface finish is essential, especially in the Automotive Industry, where **BLISTERS, CRATERS** and **LOSS OF ADHESION** are the common symptoms of contamination. These problems result in costly product spoilage, expensive re-work and loss of valuable production.



Blisters



Craters



Loss of Adhesion

Pictures courtesy of Glasurit GmbH

Above all, silicone is a problem

Working closely for many years with Automotive manufacturers and the producers of water and solvent based paints, domnick hunter understands the industry and its special needs. Ordinary filters may clean compressed air but can release silicone into the compressed air stream from lubricants, cleaning agents, 'O'-rings or other component parts. Silicone is recognised as the worst possible contaminant in paint spraying applications and domnick hunter assemble OIL-Xplus SF filters in a silicone-free atmosphere and manufacturing area using only certified silicone-free components.

Get it right first time

Whether you're a large vehicle manufacturer or a small automotive re-finisher, paint defects and surface finish problems are not acceptable. Don't compromise - get it right first time by installing domnick hunter OIL-Xplus SF silicone-free compressed air filters. This special range of filters and filter elements represent the latest technology in compressed air purification and have been designed to match the exacting requirements of the Automotive Industry. They will remove dirt, water and oil to the highest ISO 8573.1 industry standard to provide totally clean compressed air for a quality paint finish every time.



Silicone-free compressed air filters



Silicone-free packaging

Silicone-free guarantee

Because of the special care taken by domnick hunter, the range of OIL-Xplus SF compressed air filters is guaranteed to be SILICONE-FREE. Independent tests carried out in Germany by the Fraunhofer Institut and in England by the Public Analyst for the City of Newcastle confirm this statement.

Independently tested for domnick hunter by:-



**Fraunhofer
Institut
Produktionstechnik und
Automatisierung**

Tested in accordance with the VAG Paints & Lacquers specification 3. 10. 7. Central standard 57 65 0. (Compressed air and Chloroform Test). Test carried out for and on behalf of domnick hunter by the Fraunhofer Institut for Production, Technology and Automation, Stuttgart Vaihingen, Germany



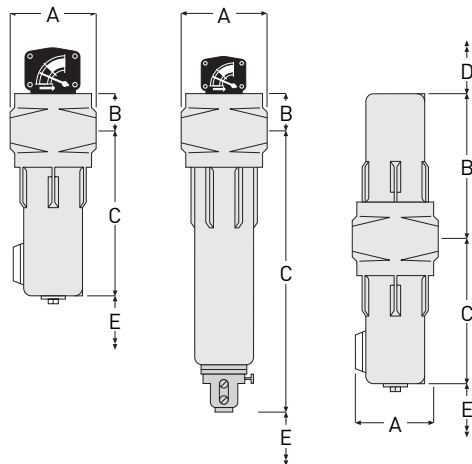
Public Analyst for City of Newcastle, Metropolitan Districts of Gateshead, North Tyneside, South Tyneside, Tyne and Tees Port Health Authorities

Technical Specification

Filter Type:	Port Size*	Flow Rates @ 7 bar g (100 psi g)			Dimensions mm (ins)					Weight kg (lbs)	Replacement Element Kit	
		L/s	cfm	m³/hr	A	B	C	D	E		Type	No.
(grade) 0009G/SF	G½	9	19	32	76 (3.0)	34.5 (1.4)	133 (5.2)	-	70 (2.7)	0.5 (1.1)	K009 (grade)/SF	1
(grade) 0017G/SF	G¾	17	36	61	89 (3.5)	42 (1.6)	158 (6.2)	-	95 (3.7)	1.0 (2.2)	K017 (grade)/SF	1
(grade) 0030G/SF	G1	30	64	108	89 (3.5)	42 (1.6)	194 (7.6)	-	130 (5.1)	1.1 (2.4)	K030 (grade)/SF	1
(grade) 0058G/SF	G1½	60	127	216	120 (4.7)	58 (2.3)	251 (9.9)	-	172 (6.8)	2.4 (5.3)	K058 (grade)/SF	1
(grade) 0080G/SF	G1	80	170	288	120 (4.7)	58 (2.3)	351 (13.8)	-	272 (10.7)	2.9 (6.4)	K145 (grade)/SF	1
(grade) 0125G/SF	G1½	120	254	432	120 (4.7)	58 (2.3)	351 (13.8)	-	272 (10.7)	2.9 (6.4)	K145 (grade)/SF	1
(grade) 0145G/SF	G1½	145	307	522	120 (4.7)	58 (2.3)	351 (13.8)	-	272 (10.7)	2.9 (6.4)	K145 (grade)/SF	1
(grade) 0205G/SF	G1½	200	424	720	160 (6.3)	66.5 (2.6)	511 (20.1)	-	320 (12.6)	9.1 (20.0)	K220 (grade)/SF	1
(grade) 0220G/SF	G2	220	466	792	160 (6.3)	66.5 (2.6)	511 (20.1)	-	320 (12.6)	9.1 (20.0)	K220 (grade)/SF	1
(grade) 0330G/SF	G2	330	699	1188	160 (6.3)	66.5 (2.6)	816 (32.1)	-	625 (24.6)	12.9 (28.1)	K330 (grade)/SF	1
(grade) 0405G/SF	G2½	400	848	1440	202 (7.9)	79 (3.1)	602 (23.7)	-	400 (15.7)	12.1 (27.0)	K430 (grade)/SF	1
(grade) 0430G/SF	G3	430	911	1548	202 (7.9)	79 (3.1)	602 (23.7)	-	400 (15.7)	11.9 (26.0)	K430 (grade)/SF	1
(grade) 0620G/SF	G3	620	1314	2232	202 (7.9)	80.5 (3.2)	844 (33.2)	-	625 (24.6)	20.9 (46.0)	K620 (grade)/SF	1
(grade) 1000G/SF	G4	1000	2119	3600	420 (16.5)	82 (3.23)	1095 (43.1)	-	570 (22.4)	44.5 (98.0)	K330 (grade)/SF	3
AC-0006G/SF†	G½	6	13	22	76 (3.0)	133 (5.2)	133 (5.2)	70 (2.7)	70 (2.7)	1.0 (2.2)	K009AA/SF & K006AC/SF	1**
AC-0013G/SF†	G¾	13	27	47	89 (3.5)	158 (6.2)	158 (6.2)	95 (3.7)	95 (3.7)	1.2 (2.7)	K017AA/SF & K013AC/SF	1**
AC-0025G/SF†	G1	25	53	90	89 (3.5)	194 (7.6)	194 (7.6)	95 (3.7)	130 (5.1)	1.4 (3.2)	K030AA/SF & K025AC/SF	1**
AC-0040G/SF†	G1½	40	84	144	120 (4.7)	251 (9.9)	251 (9.9)	125 (4.9)	172 (6.8)	3.2 (7.1)	K058AA/SF & K040AC/SF	1**

* NPT connection available - please specify

0009-0145G/SF 0205-1000G/SF AC-0006-0040G/SF



Silicone-Free Filter Grades:

Grade AO - 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 0.5mg/m³ @ 21°C (0.6ppm @ 70°F).

Grade AA - 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 0.01mg/m³ @ 21°C (0.01ppm @ 70°F). (Precede with Grade AO filter).

Grade AC/ACS - Activated Carbon Filtration

For the removal of oil vapour and hydrocarbon odours giving a maximum remaining oil content of <0.003mg/m³ (<0.003ppm) (excluding methane) @ 21°C (70°F). (AC filter combines AA and AC Grades).

Grade AR - General Purpose Dust Filtration

For the removal of dust particles down to 1 micron.

Technical Data

Maximum operating pressure 16 bar g (232 psi g)	Maximum recommended operating temperature 66°C (150°F)	Initial 'dry' differential pressure	Initial 'wet' differential pressure
[0009G/SF to 1000G/SF] with Autodrain	Maximum recommended operating temperature 30°C (86°F)	Grade AO/AR ~70 m bar (1.0 psi)	Grade AO ~140 m bar (2.0 psi)
		Grade AA ~100 m bar (1.5 psi)	Grade AA ~200 m bar (3.0 psi)
Maximum operating pressure 20 bar g (290 psi g)	Maximum recommended operating temperature 1.5°C (35°F)	Grade AC ~200 m bar (3.0 psi)	Grade AC ~300 m bar (4.5 psi)
[0009G/SF to 1000G/SF] with manual drain		Grade AR N/A	
		Maximum recommended pressure differential for element change: (AO, AA, and AR filters only) ~340 m bar (5 psi)	

For flowrates at other pressures, apply the correction 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

Ordering Example:

To order a 0.01 micron silicone-free filter flowing 30 L/s at 7 bar g (64 cfm at 100 psi g) specify type **AA-0030G/SF**. Replacement Element is **K030AA/SF**.

†Refers to OIL-Xplus Grade AC double-stage filters only. **Grade AA and AC required for double stage filter. (Grade AC filters WILL NOT remove CO/CO2 or other toxic gases or fumes).

Other silicone-free products are available upon request.

Silicone-Free Alternative Filter Elements

A/AO High Efficiency Pre-Filter Elements

Ultrafilter Ltd.	domnick hunter	Ultrafilter Ltd.	domnick hunter
MF02/05	A002/05/SF	MF2/1.5	A2/1.5/SF
MF03/05	A003/05/SF	MF3/1	A3/1/SF
MF02/10	A002/10/SF	MF3/1.5	A3/1.5/SF
MF03/10	A003/10/SF	MF4/1.5	A4/1.5/SF
MF04/10	A004/10/SF	MF4/2.5	A4/2.5/SF
MF04/20	A004/20/SF	MF5/2.5	A5/2.5/SF
MF05/20	A005/20/SF	MF5/3	A5/3/SF
MF05/25	A005/25/SF	MF10/3	A10/3/SF
MF07/25	A007/25/SF	MF15/3	A15/3/SF
MF07/30	A007/30/SF	MF20/3	A20/3/SF
MF10/30	A010/30/SF	MF30/3	A30/3/SF
MF15/30	A015/30/SF	MF30/5	A30/5/SF
MF20/30	A020/30/SF		
MF30/30	A030/30/SF		
MF30/50	A030/50/SF		

ZANDER (UK) Ltd.	domnick hunter
1050 V/Z	EZ1050AA/SF
1070 V/Z	EZ1070AA/SF
1140 V/Z	EZ1140AA/SF
2010 V/Z	EZ2010AA/SF
2020 V/Z	EZ2020AA/SF
2030 V/Z	EZ2030AA/SF
2050 V/Z	EZ2050AA/SF
3050 V/Z	EZ3050AA/SF
3075 V/Z	EZ3075AA/SF
5075 V/Z	EZ5075AA/SF

AA High Efficiency Oil Removal Filter Elements

Ultrafilter Ltd.	domnick hunter	Ultrafilter Ltd.	domnick hunter
SMF02/05	AA02/05/SF	SMF2/1.5	AA2/1.5/SF
SMF03/05	AA03/05/SF	SMF3/1	AA3/1/SF
SMF02/10	AA02/10/SF	SMF3/1.5	AA3/1.5/SF
SMF03/10	AA03/10/SF	SMF4/1.5	AA4/1.5/SF
SMF04/10	AA04/10/SF	SMF4/2.5	AA4/2.5/SF
SMF04/20	AA04/20/SF	SMF5/2.5	AA5/2.5/SF
SMF05/20	AA05/20/SF	SMF5/3	AA5/3/SF
SMF05/25	AA05/25/SF	SMF10/3	AA10/3/SF
SMF07/25	AA07/25/SF	SMF15/3	AA15/3/SF
SMF07/30	AA07/30/SF	SMF20/3	AA20/3/SF
SMF10/30	AA10/30/SF	SMF30/3	AA30/3/SF
SMF15/30	AZ15/30/SF	SMF30/5	AA30/5/SF
SMF20/30	AA20/30/SF		
SMF30/30	AA30/30/SF		
SMF30/50	AA30/50/SF		

ZANDER (UK) Ltd.	domnick hunter
1050 X/Y	EZ1050AA/SF
1070 X/Y	EZ1070AA/SF
1140 X/Y	EZ1140AA/SF
2010 X/Y	EZ2010AA/SF
2020 X/Y	EZ2020AA/SF
2030 X/Y	EZ2030AA/SF
2050 X/Y	EZ2050AA/SF
3050 X/Y	EZ3050AA/SF
3075 X/Y	EZ3075AA/SF
5075 X/Y	EZ5075AA/SF

AC Oil Vapour & Odour Removal Filter Elements

Ultrafilter Ltd.	domnick hunter	Ultrafilter Ltd.	domnick hunter
AK02/05	AC02/05/SF	AK2/1.5	AC2/1.5/SF
AK03/05	AC03/05/SF	AK3/1	AC3/1/SF
AK02/10	AC02/10/SF	AK3/1.5	AC3/1.5/SF
AK03/10	AC03/10/SF	AK4/1.5	AC4/1.5/SF
AK04/10	AC04/10/SF	AK4/2.5	AC4/2.5/SF
AK04/20	AC04/20/SF	AK5/2.5	AC5/2.5/SF
AK05/20	AC05/20/SF	AK5/3	AC5/3/SF
AK05/25	AC05/25/SF	AK10/3	AC10/3/SF
AK07/25	AC07/25/SF	AK15/3	AC15/3/SF
AK07/30	AC07/30/SF	AK20/3	AC20/3/SF
AK10/30	AC10/30/SF	AK30/3	AC30/3/SF
AK15/30	AC15/30/SF	AK30/5	AC30/5/SF
AK20/30	AC20/30/SF		
AK30/30	AC30/30/SF		
AK30/50	AC30/50/SF		

ZANDER (UK) Ltd.	domnick hunter
1050 A	EZ1050AC/SF
1070 A	EZ1070AC/SF
1140 A	EZ1140AC/SF
2010 A	EZ2010AC/SF
2020 A	EZ2020AC/SF
2030 A	EZ2030AC/SF
2050 A	EZ2050AC/SF
3050 A	EZ3050AC/SF
3075 A	EZ3075AC/SF
5075 A	EZ5075AC/SF



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