

OIL-Xplus

High Efficiency Compressed Air Filters

aerospace
climate control
electromechanical
filtration
fluid & gas handling
hydraulics
pneumatics
process control
sealing & shielding

Parker

domnick hunter

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Filtration grades

GRADE WS
Water Separators
For the removal of up to 99% of bulk liquid contamination. *(For further information refer to publication ref: 17 400 4413)*

GRADE AO
High Efficiency General Purpose Protection
Particle removal down to : 1 micron, including water and oil aerosols. Maximum remaining oil aerosol content:
0.6 mg/m^3 at 21°C / 0.5 ppm(w) at 70°F.

GRADE AA
High Efficiency Oil Removal Filtration
(Precede with Grade AO filter)
Particle removal down to: 0.01 micron, including water and oil aerosols. Maximum remaining oil aerosol content : 0.01 mg/m^3 at 21°C / 0.01 ppm(w) at 70°F.

GRADE AR
General Purpose Dust Filtration
Dry particle removal down to : 1 micron

GRADE AAR
High Efficiency Dust Filtration
Dry particle removal down to : 0.01 micron

GRADE AC & ACS
Oil Vapour & Odour Removal
(Precede Grade ACS with Grade AA filter)
Maximum remaining oil vapour content : 0.003 mg/m^3 at 21°C / 0.003 ppm(w) at 70°F.
(Grade AC filter combines AA and AC Grades)

Technical Data

Filter Types	Maximum Operating Pressure
003G	10.5 bar g (150 psi g)
0009G - 7800F with Autodrain	16 bar g (232 psi g)
0009G - 1000G with Manual Drain	20 bar g (290 psi g)

OIL-Xplus Filter Grades	Maximum Recommended** Operating Temperature	Minimum Recommended** Operating Temperature
PF/ AO/AR AA/AAR AX	66°C (150°F)	1.5°C (35°F)
AC/ACS	30°C (86°F)	1.5°C (35°F)

***High Temperature Filters / Elements are available for temperature in excess of 66°C (150°F) (publication ref: 17 400 4421 available at www.domnickhunter.com)*

Selection Criteria

Stated flows are at 7 bar g (100 psi g) ANR conditions. For flows at other pressures apply the correction factor shown.

Filter Type	Port Size	Flow rates			Replacement Element Kit	No
		Nm^3/min	Nm^3/hr	scfm		
(grade) 0003G	8mm Push Fit	0.18	11	6	K003 (grade)	1
(grade) 0009G	G¼	0.53	32	19	K009 (grade)	1
(grade) 0009GP	G⅜	0.53	32	19	K009 (grade)	1
(grade) 0017G	G⅜	1.02	61	36	K017 (grade)	1
(grade) 0017GP	G½	1.02	61	36	K017 (grade)	1
(grade) 0030G	G½	1.80	108	64	K030 (grade)	1
(grade) 0030GP	G¾	1.80	108	64	K030 (grade)	1
(grade) 0058G	G¾	3.60	216	127	K058 (grade)	1
(grade) 0080G	G1	4.80	288	170	K145 (grade)	1
(grade) 0125G	G1¼	7.20	432	254	K145 (grade)	1
(grade) 0145G	G1½	8.70	522	307	K145 (grade)	1
(grade) 0205G	G1½	12.00	720	424	K220 (grade)	1
(grade) 0220G	G2	13	792	466	K220 (grade)	1
(grade) 0330G	G2	20	1188	699	K330 (grade)	1
(grade) 0405G	G2½	24	1440	848	K430 (grade)	1
(grade) 0430G	G3	26	1548	911	K430 (grade)	1
(grade) 0620G	G3	37	2232	1314	K620 (grade)	1
(grade) 1000G	G4	60	3600	2119	K330 (grade)	3
(grade) 0205FNT	DN40	12	720	424	K220 (grade) NT	1
(grade) 0330FNT	DN50	20	1188	669	K330 (grade) NT	1
(grade) 0620FNT	DN80	37	2232	1314	K620 (grade) NT	1
(grade) 1000FNT	DN100	60	3600	2119	K330 (grade) NT	3
(grade) 1300FNT	DN100	78	4680	2755	K330 (grade) NT	4
(grade) 1950FNT	DN150	117	7020	4132	K330 (grade) NT	6
(grade) 3250FNT	DN200	195	11700	6886	K330 (grade) NT	10
(grade) 5200FNT	DN250	312	18720	11018	K330 (grade) NT	16
(grade) 7800FNT	DN300	468	28080	16527	K330 (grade) NT	24
AC-0006G	G¼	0.37	22	13	K009AA & K006AC	1*
AC-0013G	G⅜	0.78	47	27	K017AA & K013AC	1*
AC-0025G	G½	1.50	90	53	K030AA & K025AC	1*
AC-0040G	G¾	2.40	144	84	K058AA & K040AC	1*
AC-0065G	G1	3.90	234	136	K145AA & K065AC	1*
AC-0085G	G1¼	5.10	306	178	K145AA & K085AC	1*

**Grade AA and Grade AC elements required for double stage filter.*

Line Pressure		Correction Factor
bar g	psi g	
1	15	0.38
2	29	0.53
3	44	0.65
4	58	0.76
5	73	0.85
6	87	0.93
7	100	1.00
8	116	1.07
9	131	1.13
10	145	1.19
11	160	1.25
12	174	1.31
13	189	1.36
14	203	1.41
15	218	1.46
16	232	1.51
17	247	1.56
18	261	1.60
19	275	1.65
20	290	1.70

When ordering a filter for pressures above 16 bar g (232 psi g) the suffix X should be added to the product code. e.g. AA-0058GX.

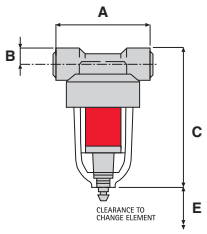
To find the correction factors for pressures other than 7barg (100 psi g), use the following equation

e.g. Correction factor for 8.5 bar g $= \sqrt{\frac{\text{(System Operating Pressure)}}{\text{(Nominal pressure)}}} = \sqrt{\frac{8.5 \text{ bar g}}{7 \text{ bar g}}} = 1.10$

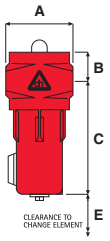
Therefore, for 8.5 bar g multiply nominal flow rate by 1.10

Technical Specifications

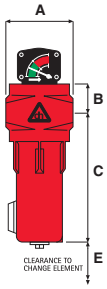
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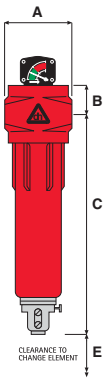
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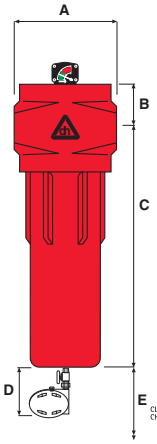
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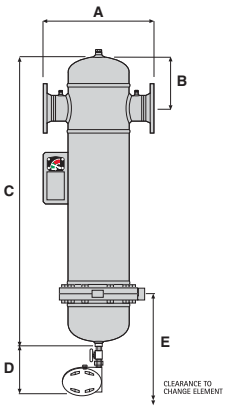
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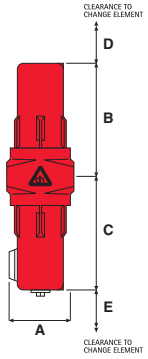
1000G



0205F-7800F



AC-0006G-0085G



Weights and Dimensions

Filter Type	Port Size	A		B		C		D		E		Net Weight	
		mm	ins	mm	ins	mm	ins	mm	ins	mm	ins	kg	lbs
(grade) **0003G**	8mm Push Fit	58	2.3	9.75	0.4	89	3.5	-	-	45	1.8	0.1	0.2
(grade) **0009G**	G¼	76	3.0	34.5	1.4	133	5.2	-	-	70	2.8	0.5	1.2
(grade) **0009GP**	G⅜	76	3.0	34.5	1.4	133	5.2	-	-	70	2.8	0.5	1.2
(grade) **0017G**	G⅜	89	3.5	42	1.7	158	6.2	-	-	95	3.7	1	2.2
(grade) **0017GP**	G½	89	3.5	42	1.7	158	6.2	-	-	95	3.7	1	2.2
(grade) **0030G**	G½	89	3.5	42	1.7	194	7.6	-	-	130	5.1	1.1	2.4
(grade) **0030GP**	G¾	89	3.5	42	1.7	194	7.6	-	-	130	5.1	1.1	2.4
(grade) **0058G**	G¾	120	4.7	58	2.3	251	9.9	-	-	172	6.8	2.4	5.3
(grade) **0080G**	G1	120	4.7	58	2.3	351	13.8	-	-	272	10.7	2.9	6.4
(grade) **0125G**	G1¼	120	4.7	58	2.3	351	13.8	-	-	272	10.7	2.9	6.4
(grade) **0145G**	G1½	120	4.7	58	2.3	351	13.8	-	-	272	10.7	2.9	6.4
(grade) **0205G**	G1½	160	6.3	66.5	2.6	509.6	20.1	-	-	320	12.6	6.6	14.5
(grade) **0220G**	G2	160	6.3	66.5	2.6	509.6	20.1	-	-	320	12.6	6.6	14.5
(grade) **0330G**	G2	160	6.3	66.5	2.6	816	32.1	-	-	625	24.6	10.8	23.8
(grade) **0405G**	G2½	202	8.0	79	3.1	602	23.7	-	-	400	15.7	12.5	27.6
(grade) **0430G**	G3	202	8.0	79	3.1	602	23.7	-	-	400	15.7	12.5	27.6
(grade) **0620G**	G3	202	8.0	79	3.1	844	33.2	-	-	625	24.6	17.5	38.58
(grade) **1000G**	G4	420	16.5	82	3.2	1095	43.1	335	13.2	570	22.4	44.5	98
(grade) **0205FNT**	DN40	304	12	115	4.5	624	24.6	335	13.2	350	13.8	29	64
(grade) **0330FNT**	DN50	304	12	120	4.7	934	36.8	335	13.2	650	25.6	37	81
(grade) **0620FNT**	DN80	390	15.4	177	7	1077	42.4	335	13.2	650	25.6	64	141
(grade) **1000FNT**	DN100	450	17.7	201	7.9	1140	44.9	335	13.2	650	25.6	95	209
(grade) **1300FNT**	DN100	500	19.7	230	9	1220	48	335	13.2	650	25.6	135	297
(grade) **1950FNT**	DN150	580	22.8	273	10.7	1294	50.9	335	13.2	650	25.6	177	389
(grade) **3250FNT**	DN200	750	29.5	361	14.2	1519	59.8	335	13.2	650	25.6	368	810
(grade) **5200FNT**	DN250	740	29.1	410	16.1	1684	66.3	335	13.2	800	31.5	515	1133
(grade) **7800FNT**	DN300	1000	39.4	485	19.1	1777	70	335	13.2	850	33.5	684	1505
AC-0006G	G¼	76	2.9	133	5.24	133	5.24	70	2.75	70	2.75	1.0	2.2
AC-0013G	G⅜	89	3.5	158	6.22	158	6.22	95	3.74	95	3.74	1.2	2.6
AC-0025G	G½	89	3.5	158	6.22	194	7.64	95	3.74	130	5.12	1.4	3.1
AC-0040G	G¾	120	4.7	251	9.88	251	9.88	125	4.92	172	6.17	3.2	7.1
AC-0065G	G1	120	4.7	251	9.88	351	13.82	125	4.92	272	10.71	3.7	8.2
AC-0085G	G1¼	120	4.7	351	13.82	351	13.82	225	8.86	272	10.71	3.8	8.4

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LRQ4001479

INTERNATIONAL APPROVALS

ASME VIII National Board

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