

OIL-X EVOLUTION

1/4" to 3" Die-cast Range

Technical Data - Grade AA



domnick hunter

domnick hunter OIL-X EVOLUTION aerosol and particulate removal filters redefine the standards in compressed air filter performance. All aspects of cartridge filter design have been considered with the sole purpose of providing compressed air to international quality standards whilst reducing the cost of ownership and the space envelope required for installation.

OIL-X EVOLUTION has been designed from the ground up with the key design focus concentrated in critical areas such as air flow management, filtration media selection & construction and the efficient removal of coalesced liquid. OIL-X EVOLUTION has also been designed to be fully compliant with the forthcoming ISO12500 international standard detailing the method for filter testing.



Flow capacities at 7 bar g (102 psi g).

For flows at other pressures, correction factors must be applied.

Model	Pipe Size	Flow rates				Replacement Element Kit	No.
		L/s	Nm ³ /min	Nm ³ /hr	scfm		
AA 010A	1/4"	10	0.6	36	21	010AA	1
AA 010B	3/8"	10	0.6	36	21	010AA	1
AA 010C	1/2"	10	0.6	36	21	010AA	1
AA 015B	3/8"	20	1.2	72	42	015AA	1
AA 015C	1/2"	20	1.2	72	42	015AA	1
AA 020C	1/2"	30	1.8	108	64	020AA	1
AA 020D	3/4"	30	1.8	108	64	020AA	1
AA 020E	1"	30	1.8	108	64	020AA	1
AA 025D	3/4"	60	3.6	216	127	025AA	1
AA 025E	1"	60	3.6	216	127	025AA	1
AA 030E	1"	110	6.6	396	233	030AA	1
AA 030F	1 1/4"	110	6.6	396	233	030AA	1
AA 030G	1 1/2"	110	6.6	396	233	030AA	1
AA 035F	1 1/4"	160	9.6	576	339	035AA	1
AA 035G	1 1/2"	160	9.6	576	339	035AA	1
AA 040G	1 1/2"	220	13.2	792	466	040AA	1
AA 040H	2"	220	13.2	792	466	040AA	1
AA 045H	2"	330	19.8	1188	699	045AA	1
AA 050I	2 1/2"	430	25.8	1548	911	050AA	1
AA 050J	3"	430	25.8	1548	911	050AA	1
AA 055J	2 1/2"	620	37.2	2232	1314	055AA	1
AA 055J	3"	620	37.2	2232	1314	055AA	1



CRN
AS1210

Filtration Grade AA - High Efficiency Oil & Particulate Removal

(Precede Grade AA 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 (70°F) 0.01 ppm(w) at 21°C (70°F)
Initial Pressure Differential - Dry :	100 mbar (1.5 psi)
Initial Pressure Differential - Wet :	200 mbar (3 psi)
Change Element Every :	12 Months
Max Operating Pressure :	16 bar g (232 psi g) with float drain 20 bar g (290 psi g) with manual drain
Max Operating Temperature :	80°C (176°F) with float drain 100°C (212°F) with manual drain
Min Operating Temperature :	1.5°C (35°F)
Inlet / Outlet Connections :	BSPT or NPT (specified at time of ordering)
Drain Bowl Connection :	1/2" Female
Float Drain Connection :	1/4" Male via 8mm push in fitting
Manual Drain Connection :	1/2" Female
Materials of Construction Housing :	Pressure Housing - Diecast aluminium Sealing - High Nitrile Sensor - Glass Filled Nylon Optional Incident Monitor - ABS
Element :	Glass Filled Nylon Stainless Steel Borosilicate Nanofibre Polyester Epoxy High Nitrile
Corrosion Protection :	Alochrom Treatment & Dry Powder Epoxy
Design Code :	Generally to ASME VIII Div 1 / AS1210
PED Fluid Group :	Group 2 Compressed Air
Quality Standards :	Manufactured in accordance with ISO9001 : 2000 and ISO 14001
Performance Tested in Accordance with :	ISO8573.2, ISO8573.4
Independent Performance Verification by :	Lloyds Register