ENGINEERING YOUR SUCCESS.

COMPRESSED AIR FILTERS

OIL-X Plus Filter Series

High efficiency, Coarse Particulate and Oil Vapor filtration for larger compressed air systems

For larger flowrate applications, Parker Hannifin India manufactures a range of fabricated carbon steel filters from DN80 to DN300 sized flanges. These filters are also available in the standard 3 filtration grades.

INNOVATIVE FILTER HOUSING

The innovative filter housing and filter element design achieve optimum flow characteristics at minimum pressure drop resulting in considerable cost savings throughout the entire operating lifetime of the filter element.

- AO, AA and ACS grades are designed for the reliable removal of solid particulate between <0.01 to 1 µm and residual oil content upto <0.0003 mg/m^3.
- Achieving a filtration performance of 99.925 % to 99.9999 % in compressed air or compressed nitrogen gas.
- Highly-efficient, borosilicate nano-fibre media with a voids volume of 96% ensures high dirt-holding capacity at constantly low differential pressure. Deep-pleating technology enabling 4.5 times more filtration surface area to be incorporated into the element, when compared with conventional filter elements.
- An airtight ‘O’ ring, provides a secure and noticeable seal to avoid any possibility of contamination by-passing the element.
- The filter-housing design has been designed for ease of maintenance: The deep-seated service-flange, supported by a pivoting hinge-joint, enables element replacement to be undertaken by a single individual.

Technical Data

Standard filter	Compressed air and gaseous nitrogen
Max. operating pressure	10 bar g
Max. Operating temperature	60°C

Filtration Performance

Filtration Grade	AO	AA	ACS
Filter Type	Coalescing & Dry Particulate	Coalescing & Dry Particulate	Oil Vapour
Particle Removal (inc water & oil aerosols)	Down to 1 micron	Down to 0.01 micron	Down to 0.0003 mg/m³
Max Remaining Oil Content at 21°C (70°F	0.6mg/m³ 0.5 ppm(w)	0.01mg/m³ 0.01 ppm(w)	0.003 mg/m³ 0.003 ppm(w)
Filtration Efficiency	99.925%	99.9999%	NA
Test Methods Used	ISO8573.2 ISO8573.4 ISO12500-1	ISO8573.2 ISO8573.4 ISO12500-1	
ISO12500-1 Inlet Challenge	40mg/m³	10mg/m³	N/A
Concentration Initial Dry Differential Pressure	<70 mbar (1.0psi)	<140 mbar (2.0psi)	<770 mbar (11 psi)
Change Element Every	12 months	12 months	N/A
Precede with Filtration Grade	WS (for bulk liquid)	AO	N/A

Flow Rates

Stated flows are for operation at 7 bar g (102 psi g) with reference to 20°C, 1 bar (a), 0% relative water vapour pressure

Model	Port Connection	Flow Rate (CFM)	Quantity of Filter Elements	Replacement Elements
[GRADE]**620F**	DN80	1314	1	**K620**[GRADE]
[GRADE]**1000F**	DN100	2119	3	**K330**[GRADE]
[GRADE]**1300F**	DN100	2755	4	**K330**[GRADE]
[GRADE]**1950F**	DN150	4132	6	**K330**[GRADE]
[GRADE]**3250F**	DN200	6886	10	**K330**[GRADE]
[GRADE]**5200F**	DN250	11018	16	**K330**[GRADE]
[GRADE]**7800F**	DN300	16527	24	**K330**[GRADE]

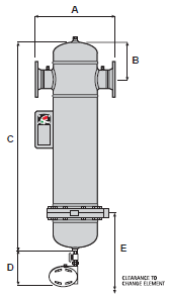
Correction Factors

Line Pressure		Correction Factor
bar g	psi g	Pressure (CFP)
1	15	0.38
2	29	0.53
3	44	0.65
5	73	0.85
7	100	1.00
9	131	1.13
11	160	1.25
13	189	1.36
15	218	1.46
17	247	1.56
20	290	1.7

Please apply these correction factors to the flow at pressures other than 7 bar g (102 psi g).

Dimensions

Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Weight (kg)
[GRADE]**620F**	370	225	1199	170	650	70
[GRADE]**1000F**	450	248	1241	170	650	105
[GRADE]**1300F**	500	273	1325	170	650	150
[GRADE]**1950F**	580	334	1424	170	650	200
[GRADE]**3250F**	750	410	1687	170	650	400
[GRADE]**5200F**	862	469	1821	170	800	540
[GRADE]**7800F**	1000	533	1910	170	850	700



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