

OIL-X 50 Series

Intermediate Pressure Filters



The removal of impurities within a compressed air system is vitally important in order to prevent contamination of downstream processes and products.

Parker domnick hunter OIL-X 50 Series intermediate pressure filters combine the well proven OIL-Xplus filter elements with specially designed housings to provide high efficiency filtration for applications up to 50 bar g (725 psi g).

Available in various filtration grades and connection sizes, they provide a level of protection tailored to your application.

Typical Applications

- PET bottling
- Air blast circuit breakers
- Shipborne air distribution systems
- Shipborne engine starting
- Pressure testing of pipelines



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Benefits:

- **Highest Air Quality**
 - Delivered air quality in accordance with all editions of ISO8573-1, the international standard for compressed air quality
- **Elimination of oil, water and dirt**
 - Available in five filtration grades
- **Tailored solution for all applications**
 - Seven connection sizes 1/4" – 2" with flow rates up to 2044cfm
- **Low maintenance**
 - Housing corrosion protected and guaranteed for 10 years
- **Ease of installation**
 - Compact housing design
- **Trouble free, high performance**
 - quality OIL-Xplus element backed with a 1 year guarantee

Filtration Grades

GRADE WS High Efficiency Water Separator	For the bulk removal of excessive liquid contamination.
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 0.6 mg/m ³ (0.5 ppm) @ 21°C (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 0.01 mg/m ³ (0.01 ppm) @ 21°C (70°F). (Precede with Grade AO filter).
GRADE ACS Activated Carbon Filtration	For the removal of oil vapour and hydrocarbon odours giving a maximum remaining oil content of <0.003 mg/m ³ (<0.003 ppm) (excluding methane) @ 21°C (70°F). (Precede Grade ACS with Grade AA filter).
GRADE AR General Purpose Dust Filtration	For the removal of dust particles down to 1 micron

Technical Data

Model/ Grade	Maximum Operating Pressure		Minimum Operating Temperature		Maximum Operating Temperature		Initial 'Dry' Differential Pressure		Initial 'Wet' Differential Pressure		
	bar g	psi g	°C	°F	°C	°F	m bar	psi	m bar	psi	
IP50 - WS	50	725	1.5	35	66	150	N/A		70	1.0	
IP50 - AO							70	1.0	140	2.0	
IP50 - AA							100	1.5	200	3.0	
IP50 - ACS							70	1.0	30	86	N/A
IP50 - AR									66	150	

Recommended Filter Element change:- 12 months or 6000 hours

*Not applicable to Grade ACS elements. Grade ACS elements should be changed after 1000 hours operation at 21°C (70°F) or before if odours can be detected.

Filter Selection

Model	Pipe Size	L/s	m ³ /min	m ³ /hr	cfm	Replacement Element Code
IP50 - (Grade)-0030G	G 1/4	30	1.8	108	64	K009 (Grade)
IP50 - (Grade)-0045G	G 3/8	45	2.7	162	95	K009 (Grade)
IP50 - (Grade)-0095G	G 1/2	95	5.7	342	201	K030 (Grade)
IP50 - (Grade)-0145G	G 3/4	145	8.7	522	307	K030 (Grade)
IP50 - (Grade)-0285G	G 1	285	17.1	1026	604	K145 (Grade)
IP50 - (Grade)-0465G	G 1 1/2	465	27.9	1674	985	K145 (Grade)
IP50 - (Grade)-0965G	G 2	965	57.9	3473	2044	K220 (Grade)

Correction Factors

Working Pressure	bar g	20	25	30	35	40	45	50
	psi g	290	362	435	507	580	652	725
Correction Factor		0.63	0.71	0.78	0.84	0.90	0.95	1.00

Use the correction factors above for flow rates at other working pressures.

Options:

- NPT connections
- Flanged connection kits

Weights and Dimensions

Model	Height (H)		Width (W)		Depth (D)		Weight	
	mm	ins	mm	ins	mm	ins	kg	lbs
IP50 - (Grade)-0030G	175	6.9	78	3.1	68	2.7	1.3	2.9
IP50 - (Grade)-0045G	175	6.9	78	3.1	68	2.7	1.3	2.9
IP50 - (Grade)-0095G	245	9.6	89	3.5	84	3.3	2.0	4.4
IP50 - (Grade)-0145G	245	9.6	89	3.5	84	3.3	2.0	4.4
IP50 - (Grade)-0285G	423	16.6	122	4.8	116	4.6	5.0	11.0
IP50 - (Grade)-0465G	423	16.6	122	4.8	116	4.6	5.0	11.0
IP50 - (Grade)-0965G	480	18.9	170	6.7	162	6.4	10.0	22.0

