# 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



### **Contact Information:**

Parker Hannifin Ltd domnick hunter Industrial division Dukesway, Team Valley Trading Estate Gateshead, Tyne and Wear England NE11 0PZ

Tel: +44 (0)191 402 9000 Fax: +44 (0)191 482 6296 Email: dhindsales@parker.com www.domnickhunter.com

# **Benefits:**

- Highest Air Quality
  - Delivered air quality in accordance with ISO 8573-1, 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 removal of large quantities 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/m³ (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/m³ (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/m³ (<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		150	N/A		70	1.0
IP50 - AO					66		70	1.0	140	2.0
IP50 - AA	50						100	1.5	200	3.0
IP50 - ACS					30	86		1.0	N/A	
IP50 - AR					66	150	70	1.0	IN/	A

<sup>\*</sup>Recommended Filter Element change:- 12 months or 6000 hours\*

# **Filter Selection**

Model	Pipe Size	L/s	m³/min	m³/hr	cfm	Replacement Element Code
IP50 - (Grade)-0030G	G <sup>1</sup> / <sub>4</sub>	30	1.8	108	64	K009 (Grade)
IP50 - (Grade)-0045G	G <sup>3</sup> /8	45	2.7	162	95	K009 (Grade)
IP50 - (Grade)-0095G	G <sup>1</sup> / <sub>2</sub>	95	5.7	342	201	K030 (Grade)
IP50 - (Grade)-0145G	G <sup>3</sup> / <sub>4</sub>	145	8.7	522	307	K030 (Grade)
IP50 - (Grade)-0285G	G 1	285	17.1	1026	604	K145 (Grade)
IP50 - (Grade)-0465G	G 1 <sup>1</sup> / <sub>2</sub>	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	or	0.63	0.71	0.78	0.84	0.90	0.95	1.00

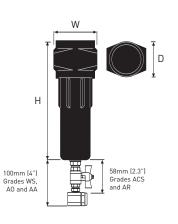
Use the correction factors above for flow rates at other working pressures.

# **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		



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<sup>\*</sup>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.