



COMPRESSED AIR TREATMENT REDEFINED



OIL-X COMPRESSED AIR FILTERS

Parker domnick hunter OIL-X compressed air filters, taking efficiency to a different level.

OIL-X AC filters are designed to be installed directly at the point of use, combining two grades of filtration into one convenient housing.

DUAL CONTAMINATION REDUCTION

Combining the unique filter element from the high efficiency AA grade OIL-X filter and the ACS activated carbon adsorption cartridge the AC filter provides a cost effective solution to point of use compressed air treatment.

- › **Flow management system**
Employs air flow management that guarantees pressure losses start low and stay low throughout the life of the element.
- › **Housing guarantee**
Compact and light weight design for ease of maintenance, requiring minimal service clearance and back by a 10 year guarantee.
- › **Corrosion protection**
The filter housing is alocrom treated with dry powder epoxy coating.
- › **International air standards**
Third party tested in accordance with ISO8573.2 for oil aerosol, ISO8573.4 for solid particulate and ISO8573.5 for oil vapour to ensure air is delivered to air quality in-line with all editions of ISO8573.1.
- › **Multiple connections**
Port connection available in various sizes from 1/2" to 1 1/2" in both NPT and BSPP threaded options. Also available with float drain or manual drain for operating pressures up to 20 bar g.

Product Selection

Grade	Model	Port Connection	Connection	Drain	Indicator
AC	3 digit code	Denotes Port Connection	G = BSPP N= NPT	F = Float M=Manual	Bulk Oil Indicator
AC	010	A	G	F	I

Technical Data

Model	Min Operating Pressure		Max Operating Pressure		Min Operating Temperature		Max Operating Temperature	
	bar g	psi g	bar g	psi g	°C	°F	°C	°F
AC	1	15	16	232	2	35	30	86

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 Rates				Replacement Elements	
		L/s	m ³ /min	m ³ /hr	scfm		
AC010A	¼"	6	0.4	22	13	010AA	010AC
AC010B	⅜"	6	0.4	22	13	010AA	010AC
AC010C	½"	6	0.4	22	13	010AA	010AC
AC015B	⅜"	13	0.8	46	27	015AA	015AC
AC015C	½"	13	0.8	46	27	015AA	015AC
AC020C	½"	25	1.5	90	53	020AA	020AC
AC020D	¾"	25	1.5	90	53	020AA	020AC
AC020E	1"	25	1.5	90	53	020AA	020AC
AC025D	¾"	40	2.4	143	84	025AA	025AC
AC025E	1"	65	3.9	231	136	025AA	025AC
AC030E	1"	85	5.1	305	180	030AA	030AC
AC030F	1 ¼"	85	5.1	305	180	030AA	030AC
AC030G	1 ½"	85	5.1	305	180	030AA	030AC

Correction Factors

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

Line Pressure	bar g	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	psi g	15	29	44	58	73	87	100	116	131	145	160	174	189	203	218	232	248	263	277	290
Correction Factor Pressure (CFP)		2.65	1.87	1.53	1.32	1.18	1.08	1.00	0.94	0.88	0.84	0.80	0.76	0.73	0.71	0.68	0.66	0.64	0.62	0.61	0.59

AC models are supplied with a float drain as standard. For pressures of 16 to 20 bar g (232 to 290 psi g) a manual drain must be used.

Applying Correction Factors

To correctly select a filter model, the flow rate of the filter must be adjusted for the minimum operating pressure of the system.

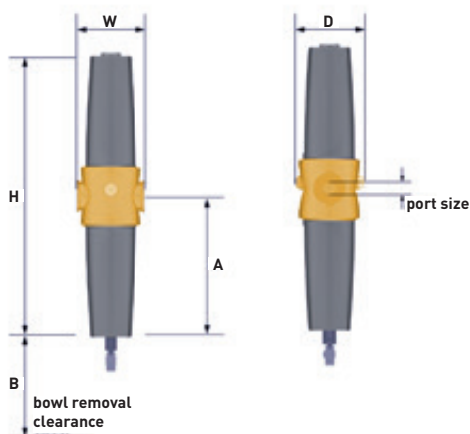
1. Obtain the minimum operating pressure and maximum compressed air flow rate at the inlet of the filter.
2. Select the correction factor for minimum operating pressure from the CFP table (always round down e.g for 5.3 bar, use 5 bar correction factor)
3. Calculate the minimum filtration capacity : Minimum Filtration Capacity = Compressed Air Flow Rate x CFP
4. Using the minimum filtration capacity, select a filter model from the flow rate tables above (filter selected must have a flow rate equal to or greater than the minimum filtration capacity)

Filtration Performance

Filtration Grade	AC
Filter Type	Oil Vapour Removal
Particle Removal (inc water & oil aerosols)	N/A
Max Remaining Oil Content at 21°C (70°F)	0.003 mg/m ³ , 0.003 ppm(w)
Filtration Efficiency	N/A
Test Methods Used	ISO8573-1
ISO12500-1 Inlet Challenge Concentration	N/A
Initial Dry Differential Pressure	<618 mbar (1.0psi)
Initial Saturated Differential Pressure	<773 mbar (11psi)
Change Element Every	When Oil Vapour is Detected
Precede with Filtration Grade	A0

Weights and Dimensions

Model	Height (H)		Width (W)		Depth (D)		A		B		Weight	
	mm	ins	mm	ins	mm	ins	mm	ins	mm	ins	kg	lbs
AC010A	311	12.3	76	3.0	65	2.6	154	6	40	1.6	0.8	1.8
AC010B	311	12.3	76	3.0	65	2.6	154	6	40	1.6	0.8	1.8
AC010C	311	12.3	76	3.0	65	2.6	154	6	40	1.6	0.8	1.8
AC015B	474	18.7	97	3.8	84	3.3	235	9.3	50	1.9	1.6	3.5
AC015C	474	18.7	97	3.8	84	3.3	235	9.3	50	1.9	1.6	3.5
AC020C	474	18.7	97	3.8	84	3.3	235	9.3	50	1.9	1.4	3.2
AC020D	474	18.7	97	3.8	84	3.3	235	9.3	50	1.9	1.4	3.2
AC020E	474	18.7	97	3.8	84	3.3	235	9.3	50	1.9	1.4	3.2
AC025D	554	21.8	129	5.1	115	4.5	275	10.8	70	2.8	3.5	7.8
AC025E	554	21.8	129	5.1	115	4.5	275	10.8	70	2.8	3.4	7.6
AC030E	733	28.9	129	5.1	115	4.5	275	10.8	70	2.8	4.1	9.0
AC030F	733	28.9	129	5.1	115	4.5	275	10.8	70	2.8	4.1	9.0
AC030G	733	28.9	129	5.1	115	4.5	275	10.8	70	2.8	4.1	9.0



For more information please contact your local sales office or visit www.parker.com/gsf

Parker has a continuous policy of product development and although the company reserves the right to changes specifications, it attempts to keep customers informed of any alterations.

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