

OIL-X Point Of Use Oil Vapour Reduction Filters

Filtration Performance

Filtration Grade	Filter Type	Particle Reduction (inc water & oil aerosols)	Max. Remaining Oil Content at 21°C (70°F)	Filtration Efficiency	Initial Dry Differential Pressure	Initial Saturated Differential Pressure	Change Element Every	Precede with Filtration Grade
ACS	Oil Vapour Reduction	N/A	0.003 mg/m ³ 0.003 ppm(w)	N/A	<140 mbar (2 psi)	N/A	When oil vapour is detected	AO+AA

Technical Data

Filtration Grade	Filter Models	Minimum Operating Pressure		Maximum Operating Pressure		Minimum Operating Temperature		Maximum Operating Temperature	
		bar g	psi g	bar g	psi g	°C	°F	°C	°F
ACS	P010 - P055 (Manual Drain)	1	15	20	290	2	35	50	122
	P060 (Manual Drain)	1	15	20	290	2	35	50	122

Flow Rates

Model	Pipe Size	L/S	m ³ /min	m ³ /hr	cfm	Replacement Element	No.
ACSP010A <input type="checkbox"/> MX	¼"	10	0.6	36	21	P010ACS	1
ACSP010B <input type="checkbox"/> MX	⅜"	10	0.6	36	21	P010ACS	1
ACSP010C <input type="checkbox"/> MX	½"	10	0.6	36	21	P010ACS	1
ACSP015C <input type="checkbox"/> MX	½"	20	1.2	72	42	P015ACS	1
ACSP020C <input type="checkbox"/> MX	½"	30	1.8	108	64	P020ACS	1
ACSP020D <input type="checkbox"/> MX	¾"	30	1.8	108	64	P020ACS	1
ACSP025D <input type="checkbox"/> MX	¾"	60	3.6	216	127	P025ACS	1
ACSP025E <input type="checkbox"/> MX	1"	60	3.6	216	127	P025ACS	1
ACSP030G <input type="checkbox"/> MX	1½"	110	6.6	396	233	P030ACS	1
ACSP035G <input type="checkbox"/> MX	1½"	160	9.6	576	339	P035ACS	1
ACSP040H <input type="checkbox"/> MX	2"	220	13.2	792	466	P040ACS	1
ACSP045I <input type="checkbox"/> MX	2½"	330	19.8	1188	699	P045ACS	1
ACSP050I <input type="checkbox"/> MX	2½"	430	25.9	1548	911	P050ACS	1
ACSP055I <input type="checkbox"/> MX	2½"	620	37.3	2232	1314	P055ACS	1
ACSP055J <input type="checkbox"/> MX	3"	620	37.3	2232	1314	P055ACS	1
ACSP060K <input type="checkbox"/> MX	4"	1000	60	3600	2119	P060ACS	3

G = BSPP / N=NPT

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. For flows at other pressures, apply the correction factors shown below.

Product Selection & Correction Factors

To correctly select a filter model, the flow rate of the filter must be adjusted for the minimum operating (inlet) pressure at the point of installation.

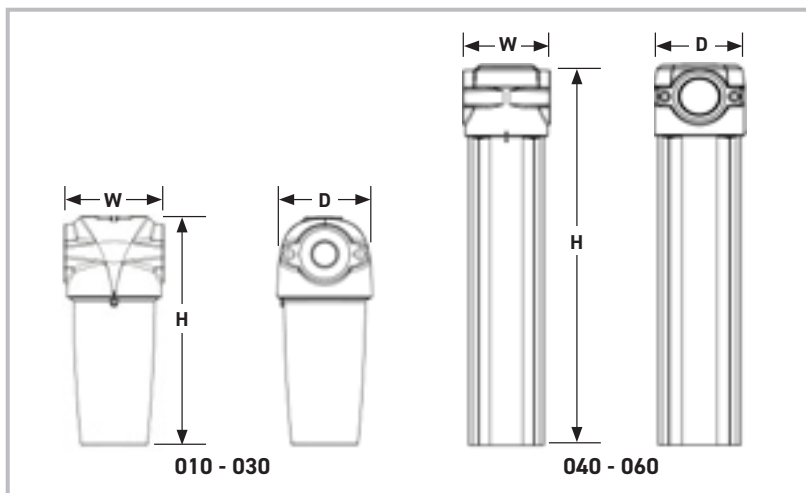
- Obtain the minimum operating (inlet) pressure and maximum compressed air flow rate at the inlet of the filter.
- Select the correction factor for minimum inlet pressure from the CFMIP table (always round down e.g. for 5.3 bar, use 5 bar correction factor)
- Calculate the minimum filtration capacity. Minimum Filtration Capacity = Compressed Air Flow Rate x CFMIP
- 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).

CFMIP - Correction Factor Minimum Inlet Pressure

Minimum Inlet 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		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

Filter Coding Example

Grade	Model	Pipe Size	Thread	Drain Option	Incident Monitor Option
ACS	P & 3 digit code denotes filter housing size	Letter denotes pipe size	G = BSPP N = NPT	M = Manual	X = None
Example code					
ACS	P010	A	G	M	X



Weights & Dimensions

Model	Height (H)		Width (W)		Depth (D)		Weight	
	mm	ins	mm	ins	mm	ins	kg	lbs
010A	180	7.09	76	2.99	65	2.56	0.84	1.86
010B	180	7.09	76	2.99	65	2.56	0.84	1.84
010C	180	7.09	76	2.99	65	2.56	0.82	1.81
015C	238	9.37	89	3.5	84	3.31	1.16	2.55
020C	238	9.37	89	3.5	84	3.31	1.17	2.58
020D	238	9.37	89	3.5	84	3.31	1.44	3.19
025D	277	10.9	120	4.72	115	4.53	2.14	4.71
025E	277	10.9	120	4.72	115	4.53	2.69	5.92
030G	367	14.45	120	4.72	115	4.53	3.04	6.70
035G	440	20.9	164	6.46	157	6.18	6.90	15.21
040H	532	24.5	164	6.46	157	6.18	7.30	16.09
045I	532	24.5	164	6.46	157	6.18	7.10	15.65
050I	654	29.3	192	7.56	183	7.20	10.30	22.71
055I	844	36.8	192	7.56	183	7.20	15.90	33.05
055J	844	36.8	192	7.56	183	7.20	15.30	33.73
060K	847	33.3	420	16.54	282	11.10	44.50	98.11

Parker Catalogue Numbers (BSP Models)

Model	Catalogue Number Oil Vapour Reduction Filters
P010A	ACSP010AGMX
P010B	ACSP010BGMX
P010C	ACSP010CGMX
P015C	ACSP015CGMX
P020C	ACSP020CGMX
P020D	ACSP020DGMX
P025D	ACSP025DGMX
P025E	ACSP025EGMX
P030G	ACSP030GGMX
P035G	ACSP035GGMX
P040H	ACSP040HGMX
P045I	ACSP045IGMX
P050I	ACSP050IGMX
P055I	ACSP055IGMX
P055J	ACSP055JGMX
P060K	ACSP060KGMX