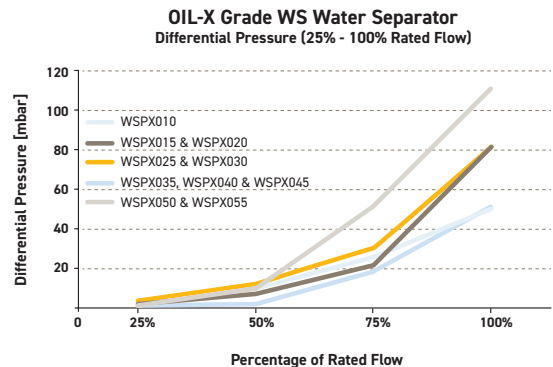
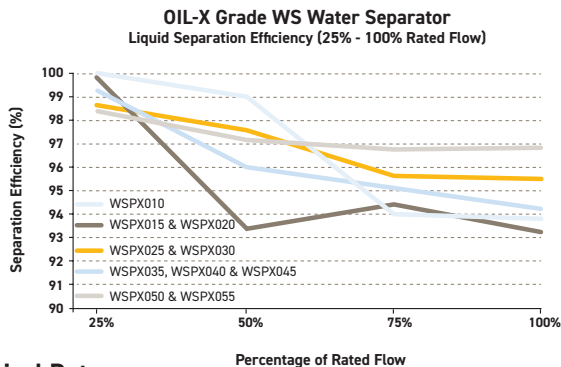


# OIL-X Liquid Separators

## Separation Performance

Filtration Grade	Filter Type	Particle Reduction (inc water & oil aerosols)	Max Remaining Oil Content at 21°C (70°F)	Liquid Separation Efficiency	Change Element Every	Precede with Filtration Grade
WS	Liquid	Not Applicable	Not Applicable	>93%	Not Applicable	Not Applicable



## Technical Data

Filtration Grade	Water Separator Models	Min Operating Pressure		Max Operating Pressure		Min Operating Temperature		Max Operating Temperature	
		bar g	psi g	bar g	psi g	°C	°F	°C	°F
WS	PX010A - P055 (Float Drain)	1.5	22	16	232	2	35	65	149

**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	Pipe Size	L/S	m³/min	m³/hr	cfm	Initial Saturated Differential Pressure								
						100% Flow		75% Flow		50% Flow		25% Flow		
						mbar	psi	mbar	psi	mbar	psi	mbar	psi	
WSPX010A	<input type="checkbox"/> G <input type="checkbox"/> FX	¼"	10	0.6	36	21	53	0.8	29	0.4	14	0.2	4	0.1
WSPX010B	<input type="checkbox"/> G <input type="checkbox"/> FX	⅜"	10	0.6	36	21	51	0.7	27	0.4	12	0.2	2	0.0
WSPX010C	<input type="checkbox"/> G <input type="checkbox"/> FX	½"	10	0.6	36	21	48	0.7	25	0.4	10	0.1	0	0.0
WSPX015B	<input type="checkbox"/> G <input type="checkbox"/> FX	⅜"	40	2.4	144	85	64	0.9	25	0.4	12	0.2	6	0.1
WSPX015C	<input type="checkbox"/> G <input type="checkbox"/> FX	½"	40	2.4	144	85	55	0.8	22	0.3	10	0.1	4	0.1
WSPX020D	<input type="checkbox"/> G <input type="checkbox"/> FX	¾"	40	2.4	144	85	42	0.6	22	0.3	7	0.1	2	0.0
WSPX025D	<input type="checkbox"/> G <input type="checkbox"/> FX	¾"	110	6.6	396	233	98	1.4	55	0.8	23	0.3	4	0.1
WSPX025E	<input type="checkbox"/> G <input type="checkbox"/> FX	1"	110	6.6	396	233	95	1.4	52	0.8	20	0.3	1	0.0
WSPX030G	<input type="checkbox"/> G <input type="checkbox"/> FX	1 ½"	110	6.6	396	233	82	1.2	30	0.4	13	0.2	4	0.1
WSPX035G	<input type="checkbox"/> G <input type="checkbox"/> FX	1 ½"	350	21	1260	742	57	0.8	24	0.3	5	0.1	5	0.1
WSPX040H	<input type="checkbox"/> G <input type="checkbox"/> FX	2"	350	21	1260	742	52	0.8	19	0.3	0	0.0	0	0.0
WSPX045I	<input type="checkbox"/> G <input type="checkbox"/> FX	2 ½"	350	21	1260	742	55	0.8	22	0.3	3	0.0	1	0.0
WSPX050I	<input type="checkbox"/> G <input type="checkbox"/> FX	2 ½"	800	48	2880	1695	116	1.7	57	0.8	16	0.2	5	0.1
WSPX055J	<input type="checkbox"/> G <input type="checkbox"/> FX	3"	800	48	2880	1695	111	1.6	52	0.8	11	0.2	0	0.0

Select  G for BSPP Threads / Select  N for NPT Threads

When selecting a coalescing filter for pressures above 16 bar g (232 psi g), use manual drain version and fit an external automatic drain.

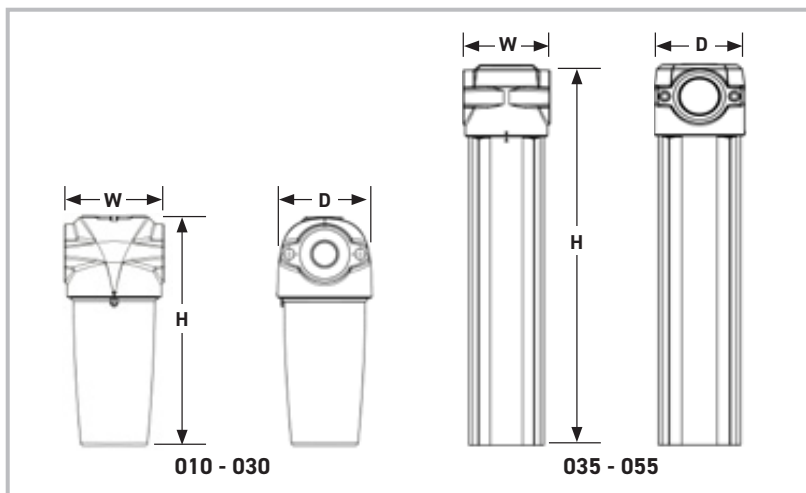
## Product Selection & Correction Factors

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

1. Obtain the minimum operating (inlet) pressure and maximum compressed air flow rate at the inlet of the separator.
2. 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)
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).

## 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
	psi g	15	29	44	58	73	87	100	116	131	145	160	174	189	203	218	232
Correction Factor		4.00	2.63	2.00	1.59	1.33	1.14	1.00	0.94	0.89	0.85	0.82	0.79	0.76	0.73	0.71	0.68



### Weights & Dimensions

WSPX Model	Height (H)		Width (W)		Depth (D)		Weight	
	mm	ins	mm	ins	mm	ins	kg	lbs
010	180	7.09	76	2.99	65	2.56	0.81	1.78
015 / 020	238	9.37	89	3.50	84	3.31	1.41	3.10
025	277	10.91	120	4.72	115	4.53	2.66	5.86
030	277	10.91	120	4.72	115	4.53	2.66	5.86
035/040/ 045	440	17.32	164	6.46	157	6.18	6.87	15.14
050	614	24.17	192	7.56	183	7.20	8.47	18.66
055	515	20.28	192	7.56	183	7.20	8.47	18.66

### Parker Catalogue Numbers (BSPP Models)

Model	Catalogue Number Water Separator
010A	WSPX010AGFX
010B	WSPX010BGFX
010C	WSPX010CGFX
015C	WSPX015CGFX
020D	WSPX020DGFX
025D	WSPX025DGFX
025E	WSPX025EGFX
030G	WSPX030GGFX
035G	WSPX035GGFX
040H	WSPX040HGFX
045I	WSPX045IGFX
050I	WSPX050IGFX
055J	WSPX055JGFX