



## FWS Series (1500 scfm - 8300 scfm)

### Flanged Water Separators

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Mikropor FWS Series flanged water separators have been designed for the removal of bulk liquid water and particulate from compressed air and gases. Unique centrifugal action removes contaminants at low-pressure drop for maximum energy savings. Mikropor flanged water separators are available from 3" - 8" flange sizes and flows up to 8300 scfm (For larger sizes please contact the sales team)

Note: While highly efficient, condensate separators will not remove oil from the air stream. Additional coalescing and particulate filters downstream maybe required to remove the fine traces of oil, water and particles.

#### Technical Specifications

Model	Connection Size (FLG)	Flow Rate (scfm)	Housing Dimensions (inch)					
			A	B	C	D	E	F
F-US-1500-WS	3" FLG	1500	7.8"	36.7"	17.7"	2.9"	11"	50.7"
F-US-1900-WS	4" FLG	1900	8.6"	37.9"	17.7"	2.9"	11"	52"
F-US-2500-WS	4" FLG	2500	8.6"	36.5"	20.8"	2.9"	11"	50.5"
F-US-3800-WS	6" FLG	3800	11.2"	43"	22.8"	2.9"	11"	57"
F-US-5000-WS	6" FLG	5000	11.2"	43"	25.6"	2.9"	11"	57"
F-US-6500-WS	8" FLG	6500	13.3"	46"	29.5"	2.9"	11"	60"
F-US-8300-WS	8" FLG	8300	13.3"	47.2"	31.5"	2.9"	11"	61.2"

#### Correction Factor

Operating Pressure (barg)	1	3	5	7	9	11	13	14
PSIG	15	44	73	100	130	160	189	200
Correction Factor	0.5	0.71	0.87	1	1.12	1.22	1.32	1.38

For maximum flow rates, multiply model flow rate show in the above table by the correction factor corresponding to the working pressure.

#### Correction Sample:

if an compressor delivers 3000 scfm at 160 psi please choose your Filter model as follow:  
 $3000 \text{ scfm} / 1.22 = 2460 \text{ scfm}$  your model is F-US-WS-2500

Maximum Recommended Operating Temperature	176 °F
Minimum Recommended Operating Temperature	35 °F
Typical Pressure Loss at Rated Flow	0.7 psi
Maximum Working Pressure	200 psi

