



# WATER SEPARATORS

KELTEC-Technolab water separators have been designed for the removal of bulk liquid water and a significant portion of particulate from compressed air and gases.

Unique centrifugal action removes contaminants at low-pressure drop for maximum energy savings. KELTEC-Technolab water separators are available from 1/4" - 3" pipe sizes and for flows up to 1294 scfm.

Note: While highly efficient, condensate separators will not remove 100% of the oil from the air stream additional coalescing and particulate filters downstream are typically required to remove the fine traces of oil, water and particles.

Note: Automatic drain valves are fitted as standard. All separator bodies are coated with electrostatic powder paint finish both inside and out.



Correction Factor									
PSIG	15	44	73	100	131	160	189	218	247
Operating Pressure (barg)	1	3	5	7	9	11	13	15	16
Correction Factor	0,5	0,71	0,87	1	1,12	1,22	1,32	1,44	1,57

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

Technical Specifications							
Model	Connection Size	Flow Rate		Housing Dimensions (in)			
		(scfm)	(m <sup>3</sup> /h)	A	B	C	D
KWS14	1/4"	14	25	4.06	10.14	9.29	6.30
KWS58	1/2"	58	100	4.06	10.14	9.29	8.27
KWS117	3/4"	117	200	4.84	11.97	10.91	11.22
KWS176	1"	176	300	4.84	11.97	10.91	14.96
KWS353	1-1/2"	353	600	4.84	12.60	11.22	18.50
KWS706	2"	706	1200	6.30	19.06	17.44	22.05
KWS1294	3"	1294	2200	7.60	21.50	19.29	24.02

Maximum Recommended Operating Temperature	176° F
Minimum Recommended Operating Temperature	35° F
Typical Pressure Loss at Rated Flow	.7 psi
Maximum Working Pressure	235 psi

