



# WATER SEPARATORS

Centrifugal separation to remove up to 99% of water aerosol in compressed air

Compressed air is normally saturated with moisture in the form of water vapour as well as aerosol, and this needs to be removed to prevent problems further downstream at the point of application.

AFE's water separator is specially designed based on the proven centrifugal separation to remove up to 99% of the water aerosol in compressed air. Working in conjunction with other compressed air treatment products like filters, after-coolers and dryers, the water separator is a very cost effective way of further enhancing their efficiency by ensuring that bulk water generated in the compressed air is properly separated and discharged from the system.



**Vortex Generator Vane**  
Aerodynamically designed vortex generator vanes for greater efficiency.



**Vortex Generator Cone**  
Conical profile for enhanced vortex effect.



**Cyclone Arrestor**  
Special profile designed to improve separator efficiency and prevent re-entrainment of separated water.



**Automatic Condensate Drain**  
Efficiently discharge separated water from the system.



## FEATURES AND ADVANTAGES

- removes up to 99% bulk water
- very low maintenance cost
- simple and easy to install
- efficient automatic drain
- powder coated
- chromatised housing

Model Number	Conn.	Capacity at 7 bar (g)		Weight kg	Dimensions, mm			
		m <sup>3</sup> /min	cfm		A	B	C	D
CS0010-I5	1/2"	0.92	32.49	1.05	87	175	21	60
CS0020-I5	1/2"	2.50	88.29	1.10	87	209	21	75
CS0030-I5	3/4"	4.08	144.08	1.40	87	279	21	90
CS0055-I5	1"	6.58	232.37	3.80	130	315	43	135
CS0095-I5	1 1/2"	10.58	373.63	4.20	130	415	43	235
CS0150-I5	1 1/2"	13.83	488.40	4.80	130	515	43	335
CS0220-I5	1 1/2"	17.00	600.35	6.20	130	715	43	525

Pressure	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Factor f	0.25	0.38	0.5	0.65	0.75	0.88	1.0	1.13	1.25	1.38	1.51	1.63	1.75	1.88	2.0	2.13

