



WATER SEPARATORS

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

CSC Series

CSC-SERIES WATER SEPARATOR

AFE WATER SEPARATORS

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-cooler 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.

FEATURES AND ADVANTAGES

- Removes up to 99% bulk water
- Very low maintenance cost
- Simple and easy to install
- Efficient automatic drain

Optional Condensate Drain



FILTER HOUSINGS SPECIFICATIONS

Description	Housings designed for application in non-aggressive compressed air systems.
Product Compliance To	Department of Safety & Health (DOSH Malaysia, JKKP) comply to ASME VIII Div. 1
Housing Material	Carbon Steel
Maximum Operating Pressure	10 bar (145 psi) – Standard; 16 bar (232 psi) upon request - Optional
External Coating	Epoxy coated
Inlet and Outlet Port	Flanges (BS EN 1092-1)

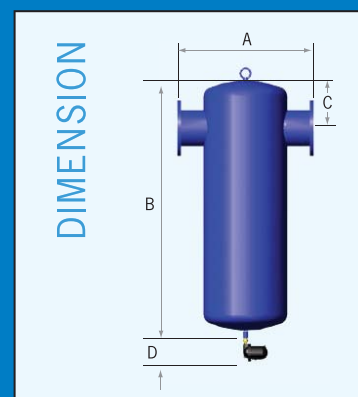
STANDARD AND OPTIONAL ACCESSORIES

Automatic Drain (Mechanical)	Mechanical float auto-drains – Model: EAD416 & manual drains - Standard
Automatic Drain (Electronic)	Electronic sensor and timer auto-drains – Optional

STANDARD FACTORY TEST

For Housing	Hydrostatic Test with water pressure at 1.5 times max operating pressure
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Model Number	Conn. (inlet & outlet)	Max. Pressure 10 Bar g Capacity @ 7 Bar g		Max. Pressure (Bar)	Approx. Weight (kg)	Dimension, mm			
		m3/min	cfm			A	B	C	D
CSC28	DN80	39	1377	10	71	460	818	291	145
CSC36	DN100	52	1836	10	77	460	818	291	145
CSC50	DN125	86	3037	10	111	550	978	348	145
CSC60	DN150	118	4168	10	129	570	1088	362	145
CSC90	DN200	128	4520	10	205	712	1240	399	145
CSC130	DN250	188	6639	10	270	750	1310	462	145
CSC170	DN300	238	8408	10	426	894	1438	526	145



Pressure	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Factor	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

GENERAL INFORMATION

- Min recommended operating temperature of 1.5°C (35°F)
- Max recommended operating temperature of 60°C (140°F) with automatic drain and 80°C (176°F) with manual drain
- Maximum recommended operating pressure of 10 bar g
- Carbon steel housing with mild steel mechanism

Airfilter Engineering reserves the right to change specifications without prior notice.(V0/10/16)

