



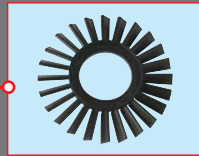
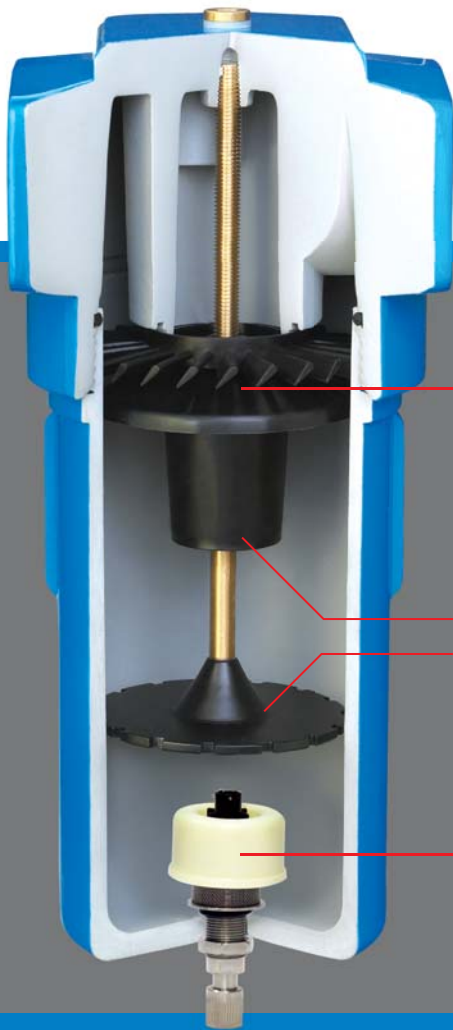
WATER SEPARATORS

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

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-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.



Automatic Condensate Drain
Efficiently discharge separated water from the system. (For 16 bar system only)



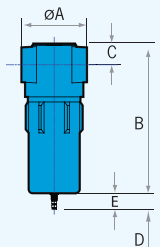
Cyclone Arrestor
Special profile designed to improve separator efficiency and prevent re-entrainment of separated water.



FEATURES AND ADVANTAGES

- Removes up to 99% bulk water
- Very low maintenance cost
- Simple and easy to install
- Efficient automatic drain
- Robust aluminium housing
- 100% tested
- Powder coated
- Chromatised housing

DIMENSION



| Model Number | Pipe Conn | Max. Pressure 16 Bar g | | Max. Pressure 50 Bar g | | Weight | Dimensions (mm) | | | | |
|--------------|-----------|------------------------|--------|------------------------|-------|--------|-----------------|-----|----|-----|----|
| | | Capacity @ 7 Bar g | | Capacity @ 50 Bar g | | | A | B | C | D | E* |
| | | m3/min | cfm | m3/min | cfm | | | | | | |
| CS0010 | 1/2" | 0.92 | 32.49 | 2.30 | 81 | 0.92 | 87 | 151 | 24 | 60 | 41 |
| CS0020 | 1/2" | 2.50 | 88.29 | 6.25 | 221 | 1.00 | 87 | 192 | 24 | 90 | 41 |
| CS0030 | 3/4" | 4.08 | 144.08 | 10.20 | 360 | 1.18 | 87 | 263 | 24 | 90 | 41 |
| CS0055 | 1" | 6.58 | 232.37 | 16.45 | 581 | 3.68 | 130 | 285 | 43 | 135 | 44 |
| CS0095 | 1 1/2" | 10.58 | 373.63 | 26.45 | 934 | 3.98 | 130 | 385 | 43 | 235 | 44 |
| CS0150 | 1 1/2" | 13.83 | 488.40 | 34.58 | 1,220 | 4.54 | 130 | 485 | 43 | 335 | 44 |
| CS0220 | 1 1/2" | 17.00 | 600.35 | 42.50 | 1,500 | 5.74 | 130 | 685 | 43 | 525 | 44 |

| 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 16 bar g and 50 bar g • Nominal Differential Pressure of 0.03 barg (0.45 psi) • Aluminium housing with polypropylene mechanism
- Water Separator housings comply to the PED 97/23/EC (Max 16 bar)