



Bulk water in compressed air systems results in costly downtime

Air treatment to remove water in compressed air installations is an essential step in minimizing component failure and increasing the operating life of production equipment. Aircel offers a comprehensive range of moisture separators, which removes up to 99% of bulk liquid. This highly efficient product reduces energy consumption and maintenance cost while eliminating the problem of costly downtime.

Optimum Performance

The Aircel moisture separator features unique fins on the centrifugal module, which have been custom engineered using the latest CFD software to ensure that points of low efficiency have been identified and eliminated. It is ideal with standard and variable speed compressors by ensuring excellent liquid removal even at low velocities. No replacement components are required, making the Aircel moisture separator a viable, cost effective solution.

AMS Series

Unique Features

- Manufactured from cast aluminum alloy with a protective finish to enhance shedding of liquids and eliminate corrosion
- Vortex breaker to prevent reentrainment of separated condensate, creating a quiet zone for liquid correction
- Multiple condensate drainage options to facilitate maximum flexibility and energy efficiency
- Float type condensate drain valve supplied as standard



AMS SERIES

TECHNICAL SPECIFICATIONS

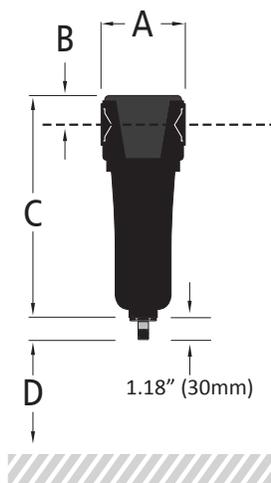


| Filter Model | Pipe Size | Flow Rate | | Dimensions inches (mm) | | | | Weight | |
|--------------|-----------|-----------|--------------------|------------------------|-----------|-------------|------------|--------|-----|
| | | SCFM | Nm ³ /h | A | B | C | D | lbs | kg |
| AMS25 | ¼ | 25 | 42 | 2.75 (70) | 0.98 (25) | 7.52 (191) | 3.54 (90) | 1.5 | 0.7 |
| AMS35 | ⅜ | 35 | 59 | 2.75 (70) | 0.98 (25) | 7.52 (191) | 3.54 (90) | 1.5 | 0.7 |
| AMS50 | ½ | 50 | 85 | 2.75 (70) | 0.98 (25) | 7.52 (191) | 3.54 (90) | 1.5 | 0.7 |
| ACMS70 | ½ | 70 | 119 | 3.94 (100) | 1.38 (35) | 8.27 (210) | 3.54 (90) | 1.5 | 0.7 |
| AMS70 | ½ | 70 | 119 | 3.94 (100) | 1.38 (35) | 10.87 (276) | 4.33 (110) | 3.3 | 1.5 |
| AMS125 | ¾ | 125 | 212 | 3.94 (100) | 1.38 (35) | 10.87 (276) | 4.33 (110) | 3.3 | 1.5 |
| AMS175 | 1 | 175 | 297 | 3.94 (100) | 1.38 (35) | 10.87 (276) | 4.33 (110) | 3.3 | 1.5 |
| ACMS280 | 1¼ | 280 | 476 | 4.80 (122) | 1.65 (42) | 14.96 (380) | 5.90 (150) | 5.1 | 2.3 |
| AMS280 | 1¼ | 280 | 476 | 4.80 (122) | 1.65 (42) | 18.11 (460) | 5.90 (150) | 5.5 | 2.5 |
| ACMS320 | 1½ | 320 | 545 | 4.80 (122) | 1.65 (42) | 14.96 (380) | 5.90 (150) | 5.1 | 2.3 |
| AMS320 | 1½ | 320 | 545 | 4.80 (122) | 1.65 (42) | 18.11 (460) | 5.90 (150) | 5.5 | 2.5 |
| AMS400 | 1½ | 400 | 680 | 5.75 (146) | 2.05 (52) | 18.98 (482) | 7.09 (180) | 8.8 | 4 |
| AMS700 | 2 | 700 | 1189 | 5.75 (146) | 2.05 (52) | 18.98 (482) | 7.09 (180) | 8.8 | 4 |
| AMS850 | 2½ | 850 | 1445 | 8.27 (210) | 2.60 (67) | 23.43 (595) | 7.87 (200) | 18.7 | 8.5 |
| AMS1500 | 3 | 1500 | 2549 | 8.27 (210) | 2.60 (67) | 23.43 (595) | 7.87 (200) | 18.7 | 8.5 |

Note: the CMS range has a shorter bowl for compact installations

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|---|----------|---------|
| Maximum recommended operating temperature | 248°F | 120°C |
| Minimum recommended operating temperature | 35°F | 1.5°C |
| Maximum working pressure | 232 psig | 16 barg |

AMS SERIES Model Dimensions TECHNICAL NOTES



1 A connecting kit is required to connect a moisture separator to filter models.