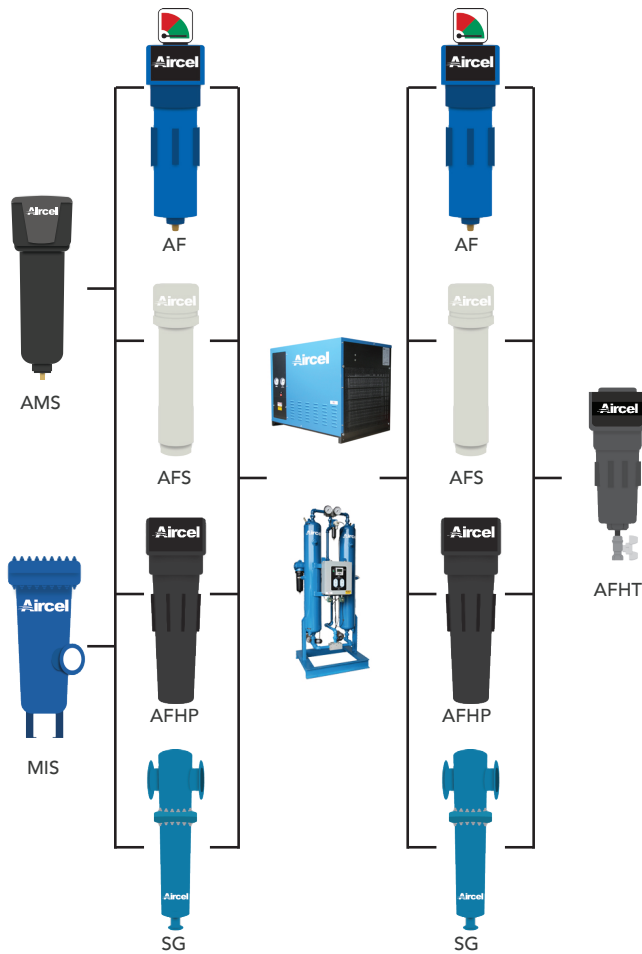


Aircel

Purification for Every Application



Filtration Overview



AMS SERIES

BULK WATER MOISTURE SEPARATOR PRE-FILTER



Custom fins on internal centrifugal module engineered using computational fluid dynamic software to optimize liquid removal efficiency

Ideal with standard and variable speed compressors by ensuring excellent liquid removal, even at low velocities

Cast aluminum alloy with multiple condensate drainage options to facilitate maximum flexibility and energy efficiency

Internal shield ensures separated liquids cannot re-enter the air or gas stream

Manufactured to ISO 12500-4

25 to 1,500 scfm

Removes 99% of bulk liquid

MIS SERIES

MIST ELIMINATOR PRE-FILTER



Removes oil, solids, and water from your compressed air system

Serves as efficient prefilter and contaminant separator, extending the life of the dryer

Patent pending urethane threaded end requires no internal loose parts and no internal housing center core

Connections size from 2"-10" ANSI flange

300 to 8,000 scfm

99.5% efficient at aerosol removal
larger than 0.3 micron

AF SERIES

HIGH QUALITY, ALUMINUM PRE OR AFTER FILTER



Reduced pressure loss, increased efficiency levels, and lower energy costs thanks to borosilicate glass microfiber media, which repels oil and water for improved coalescing performance

Simple and secure installation due to unique push-fit design and double O-ring seal

Deep bed filter media provides low differential pressure resulting in improved energy efficiency and long element life

Manufactured to ISO 125000
and ISO 8573 specifications

20 to 1,500 scfm

Available in 5, 1, 0.01, and
Activated Carbon Micron

AFS SERIES

STAINLESS STEEL HIGH PRESSURE FILTER PRE AND AFTER FILTER



725, 1450, 5000 psig pressure ratings available

High grade 316L stainless steel designed to meet specialist high pressure and corrosion sensitive applications

Unique filter element in AFS 60, 120, and 200 allows for installation in the most confined places

Elements for 1450 and 5000 psig incorporate corrosion resistant stainless steel end cap

Tested in accordance with ISO 8573-1:2010

60 to 2,000 scfm

Available in 5, 1, 0.01, and Activated Carbon Micron

AFHP SERIES

ALUMINUM HIGH PRESSURE FILTER PRE OR AFTER FILTER



2580 scfm at 300 psig, or 1882 scfm at 750 psig filters available from 1/4" to 3"

Die cast aluminum housings featuring a push-fit filter element design with double O-ring seals for extra security against contamination bypass

E-coating on inside and outside of product for industry leading corrosion resistance

Innovative push-fit element with dual O-ring seals to ensure optimum sealing and mechanical strength

Tested in accordance with ISO 8573-1:2010

35 to 1,882 scfm

Available in 5, 1, 0.01, and Activated Carbon Micron

SG SERIES

EFFICIENT STEEL FILTER PRE OR AFTER FILTER



Ideal for large flow applications

Built with high quality carbon steel that has been primed for optimum corrosion resistance

Flanged housings ensure low pressure drop through optimal flow-path design

Stainless steel internals provide maintenance-free operation

For use with all oil flooded or oil-free compressors

Manufactured to ISO 12500

1,728 to 4,608 scfm

Available in 5, 1, 0.01 and Activated Carbon Micron

AFHT SERIES

HIGH TEMPERATURE DUST FILTER AFTER FILTER



Suitable up to 450°F

Heavy-duty aluminum construction and polyester powder coated for optimum corrosion protection suitable for use in high temperature applications

Innovative push-fit element design with dual O-ring seals to ensure optimum sealing and mechanical strength

Custom engineered filter media is designed to handle the heat while providing high efficiency filtration with minimal pressure drop

Manufactured to ISO 12500

15 to 1,600 scfm

Available in 1 Micron



Available Filter Element Ranges

Coalescing Elements

- Oil Removal (see chart below)

Particulate Elements

- Dust Removal (see chart below)

Will-Fit Elements

- Replace existing filter and elements with Aircel elements

Replacement Aircel Elements

Standard Filter Element Grades				Vapor Filter	High Temperature
Grade	AF5	AF1	AF01	AC01	AF1HT
Particle Removal	5.0 Micron	1.0 Micron	0.01 Micron	0.01 Micron	1 Micron
Maximum Carryover at 68°F / 20°C	5 ppm	0.1 ppm	0.01 ppm	0.01 ppm	N/A
Recommended Temperature	100°F / 38°C	100°F / 38°C	100°F / 38°C	77°F / 25°C	
Maximum Temperature	248°F / 121°C	248°F / 121°C	248°F / 121°C	122°F / 50°C	450°F / 232°C
Pressure Drop (clean & dry)	0.4 psid / 30 mbar	1.0 psid / 70 mbar	1.5 psid / 100 mbar	1.0 psid / 70 mbar	1.1 psi
Pressure Drop (saturated)	1.0 psid / 70 mbar	2 psid / 140 mbar	3.0 psid / 210 mbar	N/A	N/A
Pressure Drop (change element)	6.0 psid / 400 mbar	6.0 psid / 400 mbar	6.0 psid / 400 mbar	see note	6 psi
Element Media	Borosilicate Glass Microfiber			Carbon impregnated paper	

Note: activated carbon filters must not operate in oil saturated conditions and will not remove certain types of gases included carbon monoxide and carbon dioxide.

DRAINS



ACC Drain

Automatic discharge, proven 2/2 way level controlled valve actuates a direct cylinder valve without electricity.

3500 scfm
Up to 230 psig



AMF Float Drain

Internal magnets operate the draining mechanism. Level actuated, fully automatic, no electricity needed.

7000 scfm
Up to 230 psig



ATD Timer Controlled Drain

Solid state timer coupled to a solenoid valve. Control timer adjustable to suit system needs.

Unlimited scfm
0-300 psig



AZL Zero Loss Drain

Compact, electronically operated level-sensed condensate drain. Zero air-loss during discharge cycle.

3,000 scfm
Up to 230 psig