



Filters and Separators

Alps Series Filters and Separators



Alps filters - Features and benefits

Exceptional performance

OMI's advanced Alps Series compressed air filters reduce contamination in your air stream to help protect your critical processes and valuable equipment.

Our filters are rigorously tested and engineered with superior components to provide years of reliable performance and consistently high-quality air.

Better quality

Without effective filtration, products and processes that depend on compressed air are subject to increased scrap, poor quality and additional maintenance. OMI Alps Series filters address these issues, helping to assure your compressed air system delivers clean, high-quality air throughout your facility.

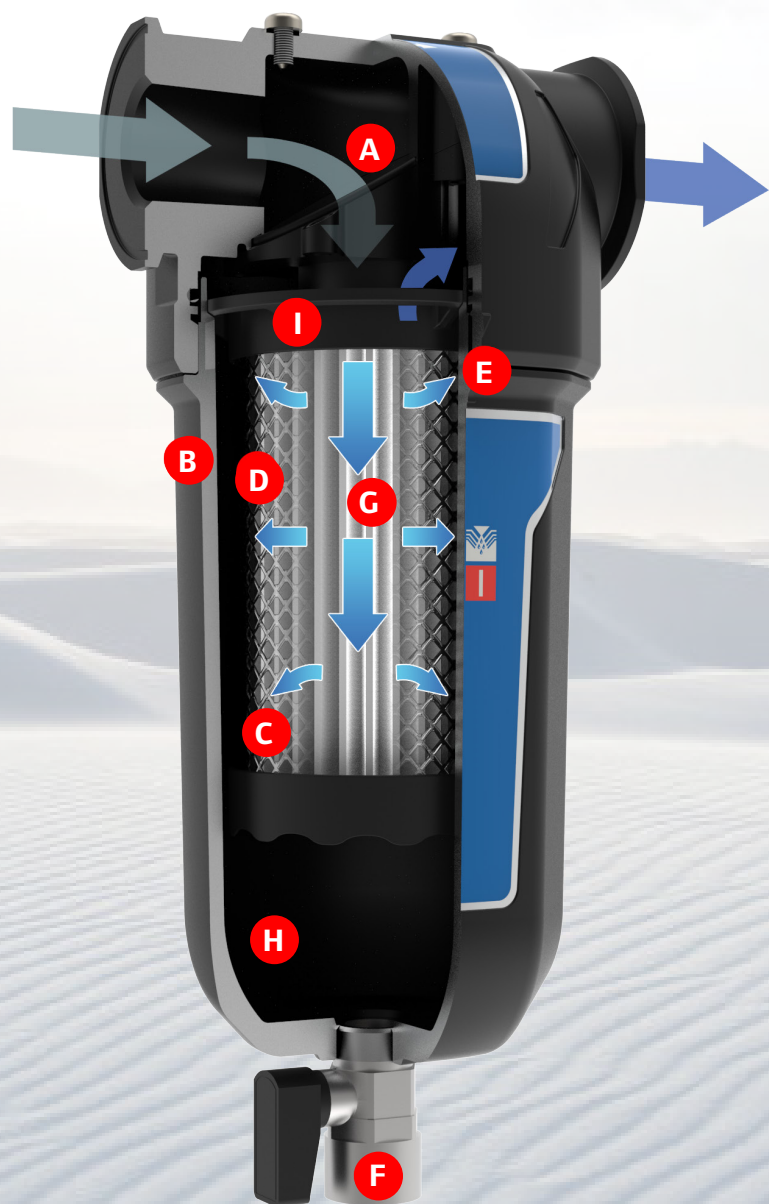
Better efficiency

Maintaining a low pressure drop on all compressed air components is critical for an energy-efficient system. OMI Alps Series filters have been engineered to deliver low pressure drop throughout the life of the filter element and to provide a unique dual indicator that illustrates the true cost of pressure drop on the system.

Better choices

Every compressed air system has unique filtration requirements. Alps Series filters are available in four different filtration grades, providing complete filtration solutions for all critical compressed air processes.





- A All-aluminum precision die cast body**
Suitable for 100°C and 20 barg MAWP applications
- B Proprietary coating**
Applied to the inside and outside surfaces provides corrosion protection in harsh industrial environments
- C High-efficiency drainage layer**
Improves liquid drainage properties and enhances chemical compatibility
- D Ergonomic bowl design with no-touch filter**
Simplifies element replacement
- E Simple visual alignment of filter head and bowl**
Ensures accurate assembly of components and helps to improve safety
- F Industrial-grade brass float drain (optional)**
Discharges accumulated condensate and oil more reliably than lesser quality plastic drains (no-loss and manual drains also available)
- G Deep-pleated filter media**
Reduces air flow velocity to maximize filtration efficiency and minimize pressure losses
- H Filter element with stainless steel mesh**
Withstands high differential pressure while minimizing flow restriction through the element
- I Time strip label**
Indicates when it's time to change the element (CF Grade only)



ALPS filters are available also in the filter housing without elements version.

Those filters, available in 8 different sizes, allow you to optimize your warehouse, reducing the number of units to stock. Each cartridge is shipped with an identification label which can be applied to the surface of the filter housing.



Alps filters - Accessories and installation equipment

A wide range of accessories available:

DIFFERENTIAL PRESSURE GAUGE

Displays the exact grade of saturation of the filter element.

Max pressure: 20 bar.

AUTOMATIC DRAIN

Automatic auto drain suitable for Alps series filters.

Completed with manual testing drain.

CONNECTIONS FOR ALPS SERIES FILTERS

In line quick connection for 2 or more filters and wall supports.



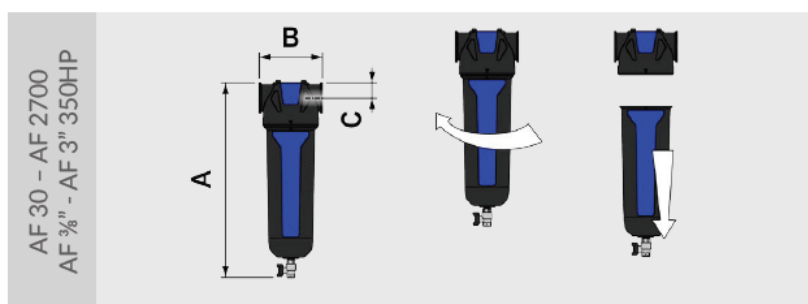
Available with the following filtration grades:

- QF: Pre-filter suitable for the removal of solid particles down to 1 micron including emulsions and oil particles. The strong mechanical resistance makes this filter the ideal initial protection of a compressed air system to retain impurities and, for example, it is suitable as a post-filter for adsorption dryers.
- PF - HF: Interception type filters suitable for solid and oil particles up to 0,01 micron - 0,01 mg/m³ (HF). These filters, by means of the impact, interception and coalescing principles, compel the submicronic liquid particles, which from the inside strain through the element, to collide and thus become larger micro droplets, which will drip the bottom of the filter housing.
- CF : There are treatments in industrial plants which in addition to oil free air, require the elimination of oil vapors and odors. For these purposes, the activated carbon filter through the adsorption process attracts all odors and vapors left after desoiling and keep them on the surface of the activated carbon grain molecules. Owing to this PF or HF filters have to be placed before the CF filters. The element is made by thick activated carbon layer covered by fiber coating kept in place by an inside and outside stainless steel wall.



Alps filters - Technical specifications

Model	PF Code	HF Code	CF Code	Flow-rate			Max pressure	Connections	Dimensions			Weight
				l/min	m³/h	CFM	Bar	BSP	A	B	C	Kg
AF 30	04A.0030AQG	04A.0030APG	04A.0030AHG	500	30	18	17	3/8"	212	76	20	0,6
AF 40	04A.0040AQG	04A.0040APG	04A.0040AHG	667	40	24	17	1/2"	212	76	20	0,6
AF 75	04A.0075AQG	04A.0075APG	04A.0075AHG	1250	75	44	17	3/4"	265	98	26	1,1
AF 110	04A.0110AQG	04A.0110APG	04A.0110AHG	1833	110	65	17	3/4"	265	98	26	1,1
AF 190	04A.0190AQG	04A.0190APG	04A.0190AHG	3167	190	112	17	1"	305	129	36	2,1
AF 260	04A.0260AQG	04A.0260APG	04A.0260AHG	4333	260	153	17	1"	305	129	36	2,1
AF 400	04A.0400AQG	04A.0400APG	04A.0400AHG	6667	400	235	17	1" 1/2	395	129	36	2,4
AF 500	04A.0500AQG	04A.0500APG	04A.0500AHG	8333	500	294	17	1" 1/2	395	129	36	2,4
AF 800	04A.0800AQG	04A.0800APG	04A.0800AHG	13333	800	471	17	2"	503	170	44	5,2
AF 1000	04A.1000AQG	04A.1000APG	04A.1000AHG	16667	1000	589	17	2"	503	170	44	5,2
AF 1560	04A.1560AQG	04A.1560APG	04A.1560AHG	26000	1560	918	17	3"	683	205	60	10,7
AF 1830	04A.1830AQG	04A.1830APG	04A.1830AHG	30500	1830	1077	17	3"	683	205	60	10,7
AF 2700	04A.2700AQG	04A.2700APG	04A.2700AHG	45333	2720	1601	17	3"	914	205	60	13,7



Alps filters without elements

Model	Code	Max pressure	Connections	Dimensions			Weight
		Bar	BSP	A	B	C	Kg
AF 3/8"	04A.0001A0G	17	3/8"	212	76	20	0,39
AF 1/2"	04A.0002A0G	17	1/2"	212	76	20	0,38
AF 3/4"	04A.0003A0G	17	3/4"	265	98	26	0,85
AF 1"	04A.0004A0G	17	1"	305	129	36	1,74
AF 1" 1/2	04A.0005A0G	17	1" 1/2	395	129	36	1,93
AF 2"	04A.0006A0G	17	2"	503	170	44	4,66
AF 3" 200 HP	04A.0007A0G	17	3"	683	205	60	10,10
AF 3" 350 HP	04A.0008A0G	17	3"	914	205	60	12,45



SA-AF Series - Features and benefits

High performances, reduced Total Cost of Investments

A design that ensures very high efficiency, up to 98%, and a very low pressure drop, up to 0,03 bar*.

Ergonomic and integrable solution

Locking system of the centrifugal element which allows an easy and quick maintenance and doesn't require additional space under the separator or direct contact with the element itself for an Easy Maintenance.

Quick and easy installation thanks to a dedicated connection and wall support for inline installation with Alps series filters.

Compact and durable solution

Cataphoresis applied to the inside and outside surfaces provides corrosion protection in harsh industrial environments and ensures a Protection for a Long Life.

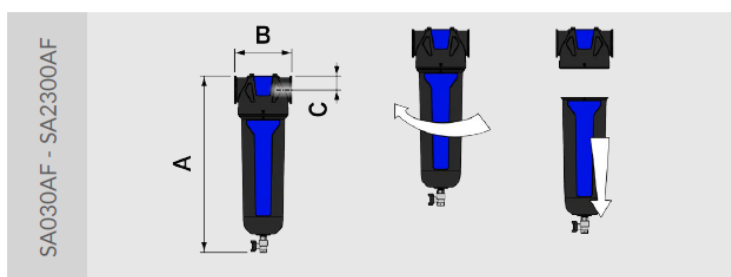
"Ready-to-use" solution thanks to the Manual drain fitted as standard.



*valid for the smallest models

SA-AF Series - Technical specifications

Model	Code	Flow-rate			Max pressure	Connections	Dimensions			Weight
		l/min	m³/h	CFM	Bar	BSP	A	B	C	Kg
SA 030AF	03A.0030FG	500	30	18	17	3/8"	212	76	20	0,41
SA 040AF	03A.0040FG	667	40	24	17	1/2"	212	76	20	0,40
SA 110AF	03A.0110FG	1833	110	65	17	3/4"	265	98	26	0,92
SA 230AF	03A.0230FG	3833	230	135	17	1"	305	129	36	1,90
SA 490AF	03A.0490FG	8167	490	288	17	1" 1/2	305	129	36	1,88
SA 1000AF	03A.1000FG	16667	1000	589	17	2"	503	170	44	5,00
SA 2300AF	03A.2300FG	38333	2300	1354	17	3"	582	205	60	9,10



SA-AF separators - Accessories



Automatic Drain



SC-CHROME
Timed drain*



SC-12 Floating drain*



NPT connections

*valid also for the ALPS filters

Technical Data

Models AF30-AF2700	Operating pressure				Operating temperature				Ambient temperature			
	Min		Max		Min		Max		Min		Max	
	bar g	psi g	bar g	psi g	°C	°F	°C	°F	°C	°F	°C	°F
Filter grade												
QF	1	14	17	247	2	35,6	100	212	2	35,6	50	122
PF	1	14	17	247	2	35,6	100	212	2	35,6	50	122
HF	1	14	17	247	2	35,6	100	212	2	35,6	50	122
CF	1	14	17	247	2	35,6	60	140	2	35,6	50	122

Models	Operating pressure				Operating temperature				Ambient temperature			
	Min		Max		Min		Max		Min		Max	
	bar g	psi g	bar g	psi g	°C	°F	°C	°F	°C	°F	°C	°F
SA030AF	1	14,4	17,2	249	2	35,6	80	176	2	35,6	50	122
SA040AF	1	14,4	17,2	249	2	35,6	80	176	2	35,6	50	122
SA110AF	1	14,4	17,2	249	2	35,6	80	176	2	35,6	50	122
SA230AF	1	14,4	17,2	249	2	35,6	80	176	2	35,6	50	122
SA490AF	1	14,4	17,2	249	2	35,6	80	176	2	35,6	50	122
SA1000AF	1	14,4	17,2	249	2	35,6	80	176	2	35,6	50	122
SA2300AF	1	14,4	17,2	249	2	35,6	80	176	2	35,6	50	122



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