

Aircel

Compressed Air Filters

AF Filter Series

High Efficiency Filter

20 - 1,500 scfm



AF Filter Series

High Efficiency Compressed Air Filter 20 - 1,500 scfm

Since 1994, Aircel has been delivering quality, industry leading compressed air dryers and accessories for production lines and facilities all over the world.

Our precise engineering and designs provide reliable products that will protect your operations for years to come.

Based in Maryville, Tennessee, Aircel is a multi-industry manufacturing leader. Aircel's highly-specialized, engineered products and technologies are powering facilities all over the world. Our products serve industries such as textile, food and beverage, automotive, production, PET market, breathing air, pneumatic instrumentation, and more.



Versatile Design

Aircel's AF series high efficiency filters include smart design features and innovative technology to provide a compressed air filtration solution for a wide range of applications. Aircel's unique AF series high efficiency filters are designed to combine high performance, energy savings, flexibility and optimum reliability.



Top Cap

Unique push-fit design and double O-ring seal for simple and secure installation.



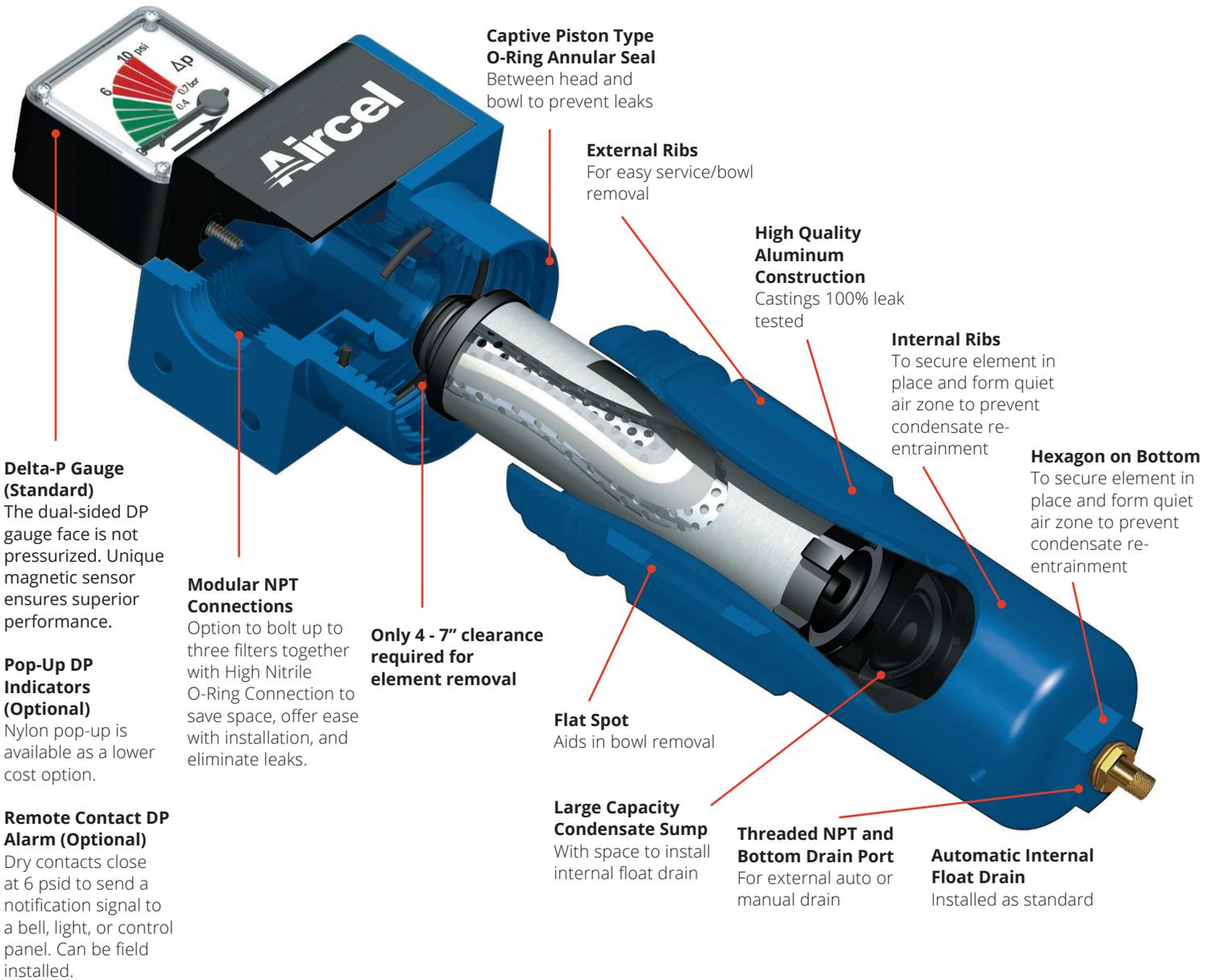
Multi-Layer Filtration

Deep bed multi-wrap borosilicate glass microfiber with stainless steel support cylinders and a polyester needle felt sleeve.



End Cap

Durable and non-corrosive glass-filled nylon cap which is attached to the element with a multi-part urethane resin.



Delta-P Gauge (Standard)
The dual-sided DP gauge face is not pressurized. Unique magnetic sensor ensures superior performance.

Pop-Up DP Indicators (Optional)
Nylon pop-up is available as a lower cost option.

Remote Contact DP Alarm (Optional)
Dry contacts close at 6 psid to send a notification signal to a bell, light, or control panel. Can be field installed.

Modular NPT Connections
Option to bolt up to three filters together with High Nitrile O-Ring Connection to save space, offer ease with installation, and eliminate leaks.

Only 4 - 7" clearance required for element removal

Captive Piston Type O-Ring Annular Seal
Between head and bowl to prevent leaks

External Ribs
For easy service/bowl removal

High Quality Aluminum Construction
Castings 100% leak tested

Internal Ribs
To secure element in place and form quiet air zone to prevent condensate re-entrainment

Hexagon on Bottom
To secure element in place and form quiet air zone to prevent condensate re-entrainment

Flat Spot
Aids in bowl removal

Large Capacity Condensate Sump
With space to install internal float drain

Threaded NPT and Bottom Drain Port
For external auto or manual drain

Automatic Internal Float Drain
Installed as standard

Accessories



Bottom Drain Adapter Plate (1000 - 1500 scfm)
Removable drain adapter for ease of float drain maintenance. Simple disconnect of external drain when element is changed.



Mounting Brackets
Allows convenient wall mounting of single or multiple filters.



Ring Spanner
Aids in easy bowl removal.



Manual Drain Valves
Available for all models.



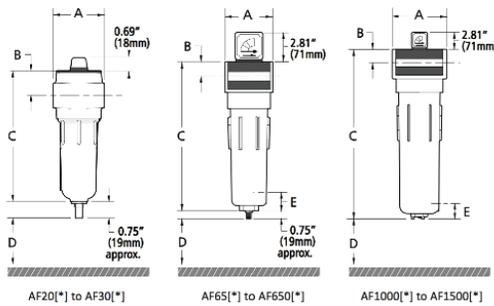
Connecting Kits
Available for models 20 - 1500 scfm.



Port Plates
Allows for easy conversion from standard port size to match larger pipe size and reduce pipe fittings. Prevents costly oversizing of filters to pipe size.

Specifications

Model Number	Capacity	Connection (NPT)			Dimensions (in.)					Weight (lbs)	Replacement Element
		In/Out	Side	Bottom	A	B	C	D	E		
AF20[*]	20	1/4"	N/A	1/4"	2.83	1.38	7.32	2.95	N/A	1.4	A20 [*] E
AF30[*]	30	3/8"	N/A	1/4"	2.83	1.38	7.32	2.95	N/A	1.4	A30 [*] E
AF65[*]	65	1/2"	1/4"	1/4"	4.33	1.5	10.75	5.98	1.3	5.4	A65 [*] E
AF75[*]	75	3/4"	1/4"	1/4"	4.33	1.5	10.75	5.98	1.3	5.4	A75 [*] E
AF100[*]	100	1"	1/4"	1/4"	4.33	1.5	14.09	5.98	1.3	6.1	A100 [*] E
AF150[*]	150	1"	1/4"	1/4"	4.33	1.5	14.09	5.98	1.3	6	A150 [*] E
AF225[*]	225	1 1/2"	1/2"	1/4"	5.75	2.01	19.06	6.5	1.65	12.2	A225 [*] E
AF300[*]	300	1 1/2"	1/2"	1/4"	5.75	2.01	19.06	6.5	1.65	12.3	A300 [*] E
AF450[*]	450	2"	1/2"	1/4"	5.75	2.01	19.06	6.5	1.65	12.3	A450 [*] E
AF650[*]	650	2"	1/2"	1/4"	5.75	2.01	26.97	6.5	1.65	14.8	A650 [*] E
AF1000[*]	1,000	3"	1/2"	1/4"	9.06	2.68	28.43	7.01	1.65	40.6	A1000 [*] E
AF1250[*]	1,250	3"	1/2"	1/4"	9.06	2.68	33.23	7.01	1.65	44.1	A1250 [*] E
AF1500[*]	1,500	3"	1/2"	1/4"	9.06	2.68	39.06	7.01	1.65	48.3	A1500 [*] E



Correction Factors

For maximum flow rate, multiply model flow rate shown in the specification chart by the correction factor (below) corresponding to the working pressure. See specifications for maximum pressure. Note: To reduce pressure drop by 50%, reduce flow rate by 30%.

Operating Pressure (psig)	10	20	30	40	50	60	70	80	90	100	110	125	150	175	200	225	250	275	300
Correction Factor	0.32	0.45	0.55	0.64	0.71	0.78	0.84	0.90	0.95	1	1.05	1.12	1.22	1.32	1.41	1.49	1.58	1.65	1.73

Grade	Coalescing Filters			Vapor Filter
	AFP5	PFC1/RPFC1 (reverse flow)	PFC01	AC
Particle Removal	5 micron	1 micron	0.01 micron	0.01 micron
Maximum carryover at 68°F / 20°C	5 ppm	0.1 ppm	0.01 ppm	0.003 ppm
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
Pressure Drop (Clean & Dry)	0.4 psid	1.0 psid	1.5 psid	1.0 psid
Pressure Drop (Saturated)	1.0 psid	2 psid	3.0 psid	N/A
Pressure Drop (Change Element)	6.0 psid	6.0 psid	6.0 psid	e note
Element Media	Borosilicate Glass Microfiber			Carbon Impregnated Paper
Maximum Working Pressure	232 psig (300 psig without auto float drain)			
Housing Material	High quality aluminum			

NOTE: Activated Charcoal (AC) filters must not operate in oil saturated conditions and will not remove certain types of gases including carbon monoxide and carbon dioxide. Change interval depends on application. Please contact your distributor.

