



### Versatile Design

Aircel's AF series 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 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.



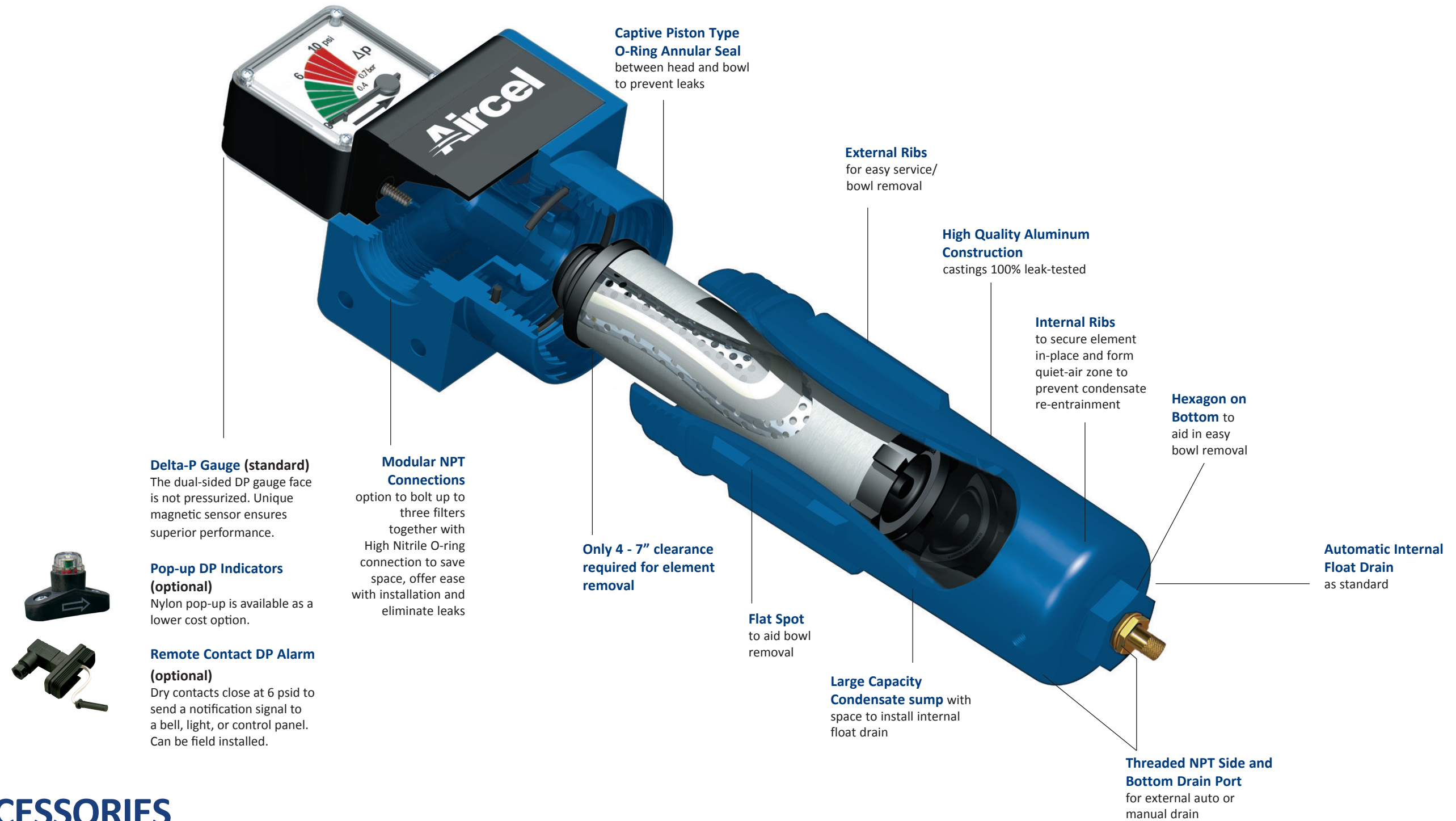
### Multi-layer Filtration

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.

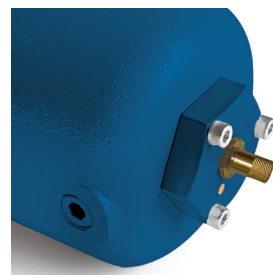


## ACCESSORIES

### Bottom Drain Adapter Plate (1000-1500 scfm)

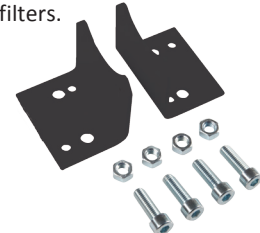
Removable drain adapter for ease of float drain maintenance.

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.



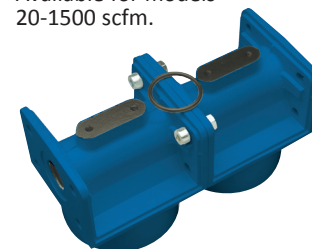
### Manual Drain Valves

Available for all models.



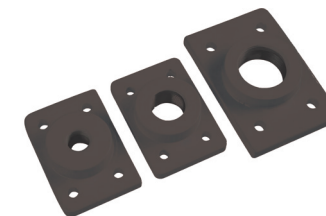
### Connecting Kits

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.



# AF SERIES

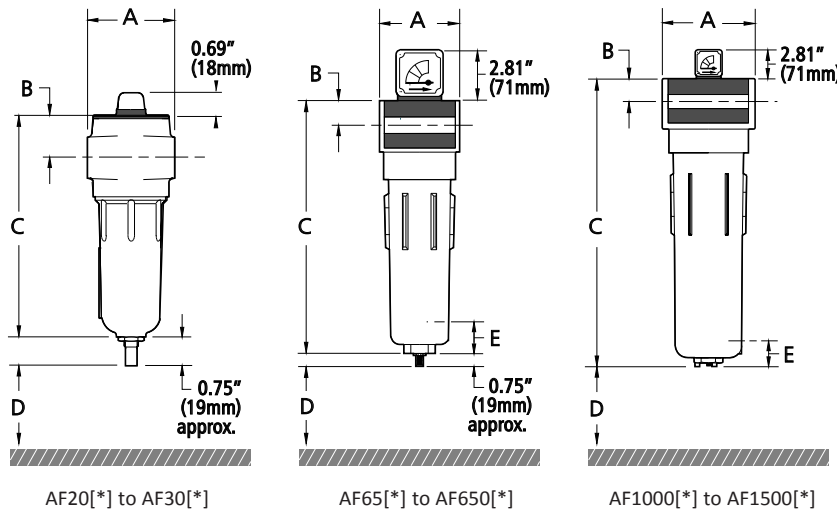
## TECHNICAL SPECIFICATIONS



Filter model	Flow rate		Dimensions inches (mm)					NPT connections			Weight lbs	Replacement element model
	scfm	Nm <sup>3</sup> /h	A	B	C	D	E	In/Out	Side	Bottom**		
AF20[*]	20	34	2.83 (72)	1.38 (35)	7.32 (186)	2.95 (75)	N/A	1/4"	N/A	1/4"	1.4	A20[*]E
AF30[*]	30	51	2.83 (72)	1.38 (35)	7.32 (186)	2.95 (75)	N/A	3/8"	N/A	1/4"	1.4	A30[*]E
AF65[*]	65	110	4.33 (110)	1.50 (38)	10.75 (273)	5.98 (152)	1.30 (33)	1/2"	1/4"	1/4"	5.4	A65[*]E
AF75[*]	75	128	4.33 (110)	1.50 (38)	10.75 (273)	5.98 (152)	1.30 (33)	3/4"	1/4"	1/4"	5.4	A75[*]E
AF100[*]	100	170	4.33 (110)	1.50 (38)	14.09 (358)	5.98 (152)	1.30 (33)	1"	1/4"	1/4"	6.1	A100[*]E
AF150[*]	150	255	4.33 (110)	1.50 (38)	14.09 (358)	5.98 (152)	1.30 (33)	1"	1/4"	1/4"	6.0	A150[*]E
AF225[*]	225	382	5.75 (146)	2.01 (51)	19.06 (484)	6.50 (165)	1.65 (42)	1 1/2"	1/2"	1/4"	12.2	A225[*]E
AF300[*]	300	510	5.75 (146)	2.01 (51)	19.06 (484)	6.50 (165)	1.65 (42)	1 1/2"	1/2"	1/4"	12.3	A300[*]E
AF450[*]	450	765	5.75 (146)	2.01 (51)	19.06 (484)	6.50 (165)	1.65 (42)	2"	1/2"	1/4"	12.3	A450[*]E
AF650[*]	650	1105	5.75 (146)	2.01 (51)	26.97 (685)	6.50 (165)	1.65 (42)	2"	1/2"	1/4"	14.8	A650[*]E
AF1000[*]	1000	1700	9.06 (230)	2.68 (68)	28.43 (722)	7.01 (178)	1.65 (42)	3"	1/2"	1/4"	40.6	A1000[*]E
AF1250[*]	1250	2125	9.06 (230)	2.68 (68)	33.23 (844)	7.01 (178)	1.65 (42)	3"	1/2"	1/4"	44.1	A1250[*]E
AF1500[*]	1500	2550	9.06 (230)	2.68 (68)	39.06 (992)	7.01 (178)	1.65 (42)	3"	1/2"	1/4"	48.3	A1500[*]E

### Notes

\* Fill in element grade (AF5, AF1, AF01, AC01 and -C- for Coalescer and -D- for reverse flow for Particulate) to appropriate model number.



Grade	Standard Filter Grade			Vapor Filter
	AF5	AF1	AF01	AC01
Particle removal	5.0 micron	1.0 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 and dry)	0.4 psid / 30 mbar	1.0 psid / 70 mbar	1.5 psid / 100 mbar	1.0 psid / 70 mbar
Pressure drop (saturated)	1.0 psid / 70 mbar	2 psid / 140 mbar	3.0 psid / 210 mbar	N/A
Pressure drop (change element)	6.0 psid / 400 mbar	6.0 psid / 400 mbar	6.0 psid / 400 mbar	see note
Element media	Borosilicate Glass Microfiber			Carbon impregnated paper
Maximum working pressure	232 psig / 16 barg (300 psig / 20 barg without auto float drain)			
Housing material	High quality aluminum			

Note: Activated charcoal (AC01) 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.

### Correction Factors

For maximum flow rate, multiply model flow rate shown in the speciation chart by the correction factor 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	.055	0.64	0.71	0.78	0.84	0.90	0.95	1.00	1.05	1.12	1.22	1.32	1.41	1.49	1.58	1.65	1.73