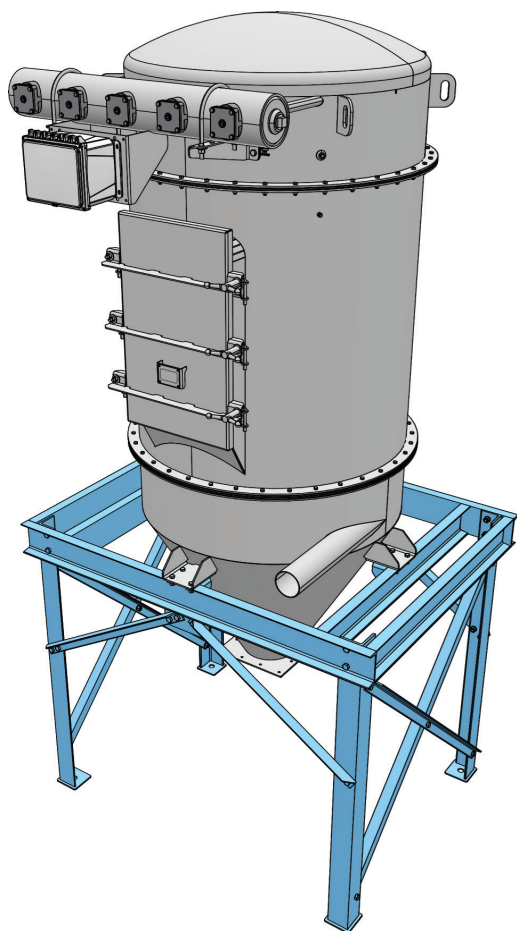


Air Vent Round (AVR/AVRC) Filter



PRODUCT OVERVIEW AND CONSTRUCTION

The AVR filter is a circular bodied pulse jet cleaned bag filter unit designed to handle low air volumes and higher pressure applications.

Coperion offers this filter in two styles: without the hopper (Style II) the filter is ideally suited as a bin vent filter for storage tanks, work bins and surge hoppers. With a 60° hopper (Style III) the filter receives dust through the hopper inlet and discharges the collected dust through an airlock for dust disposal or recycling.

Style II filters include the clean air plenum with flanged air outlet, tubesheet, 102 mm [4"] compressed air header, 19 mm [3/4"] diaphragm air valves, and adjustable timer. Timer and solenoid valves are mounted and pre-wired in a NEMA 4X Polycarbonate enclosure mounted on a compressed air header. There is a bag housing with access door flanged to the plenum and mounting flange at the base of the housing.

The same filter housing can be fitted with pleated cartridges for higher filtration efficiencies and is then designated as an AVRC. AVRC models can handle higher air volumes than the AVR model.

KEY APPLICATIONS

Designed for heavy dust loads and for vacuum, pressure, and combination vacuum/pressure bulk pneumatic receiving and dust collection systems. It's also suitable for sites with low headroom, since the bottom-load bags are removed from the dirty side of the filter via an access door in the filter body.

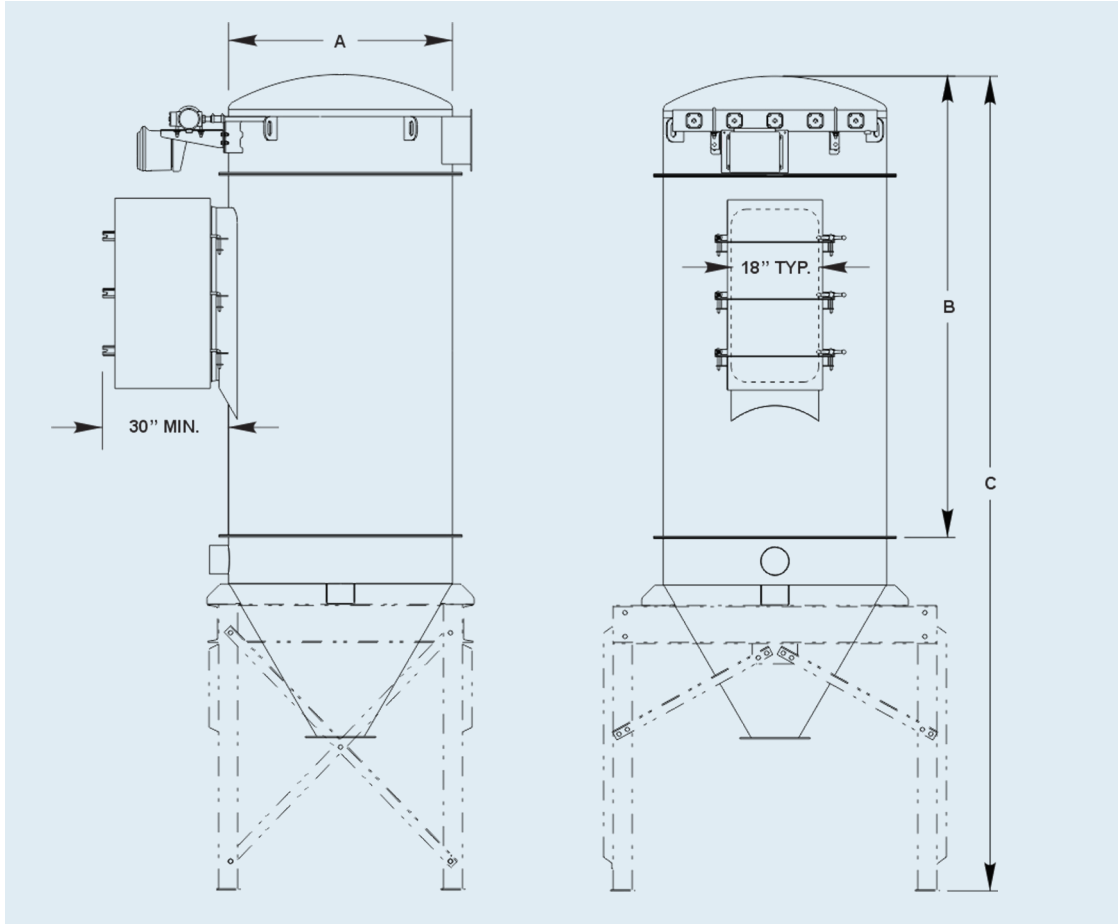
When fitted with a pneumatic receiver, the Coperion AVR filter becomes an excellent product receiver. Product enters the filter and is discharged from the bottom through the airlock. Centrifugal force separates the product from the airstream and gently discharges it.

SPECIFICATIONS

- Unit stressed 1016 mm (40") W.C. or 432 mm (17") Hg Vacuum
- 432 mm (17") Hg units are rated for 8 psig Pred. (AVR (c) 62 and AVR (c) 80 rated for 5 psig. Pred.)
- Standard temperature rating: 82 °C [180 °F]
Optional construction up to 204 °C [400 °F]
(AVRC max. temperature rating: 93 °C [200 °F])
- Carbon steel or stainless steel construction
- Full welded exterior and skip welded interior
- Hopper interior welds ground smooth
- Round housing handles high pressures
- Side door access to bottom load filter media
- Optional 70° hopper

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DIMENSIONS mm [in]



MODEL	CLOTH AREA SQ. M [SQ. FT]	NUMBER OF	A mm [in]	B mm [in]	C mm [in]
18AVR7	1.2 [13]	7	711 [28]	1202 [47.31]	2840 [111.81]
36AVR7	2.79 [30]			1456 [57.31]	3094 [121.81]
54AVR7	4.28 [46]			1913 [75.31]	3551 [139.81]
72AVR7	5.85 [63]			2370 [93.31]	4008 [157.81]
18AVR14	2.51 [27]	14	1016 [40]	1281 [50.44]	3096 [121.88]
36AVR14	5.57 [60]			1535 [60.44]	3350 [131.88]
54AVR14	8.64 [93]			1992 [78.44]	3807 [149.88]
72AVR14	11.8 [127]			2450 [96.44]	4264 [167.88]
96AVR14	16 [172]	21	1194 [47]	3059 [120.44]	4874 [191.88]
36AVR21	8.36 [90]			1548 [60.94]	3516 [138.44]
54AVR21	13 [140]			2005 [78.94]	3974 [156.44]
72AVR21	17.75 [191]			2462 [96.94]	4431 [174.44]
96AVR21	23.97 [258]	32	1524 [60]	3072 [120.94]	5040 [198.44]
54AVR32	19.88 [214]			2056 [80.94]	4532 [178.44]
72AVR32	27.04 [291]			2513 [98.94]	4990 [196.44]
96AVR32	36.51 [393]			3123 [122.94]	5599 [220.44]
54AVR39	24.25 [261]	39	1676 [66]	2077 [81.75]	4551 [179.19]
72AVR39	32.89 [354]			2534 [99.75]	5009 [197.19]
96AVR39	44.5 [479]			3143 [123.75]	5618 [221.19]
72AVR52	43.94 [473]	52	1829 [72]	2553 [100.5]	5104 [200.94]
96AVR52	59.37 [639]			3162 [124.5]	5714 [224.94]
72AVR62	52.4 [564]	62	2134 [84]	2594 [102.13]	5453 [214.69]
96AVR62	70.7 [761]			3204 [126.13]	6063 [238.69]
72AVR80	67.63 [728]	80	2362 [93]	2626 [103.38]	6245 [245.88]
96AVR80	91.32 [983]			3235 [127.38]	6855 [269.88]

Scheduled dimensions are for general information only. For specific dimensions, request a general dimension drawing.