

Rectangular Pulse Top Removal (RPT) Filter

- Largest pulse jet offered by Coperion, well suited for high air volumes
- Topside filter media replacement offers easy access, quickening maintenance time
- Can be fitted with either bags or pleated cartridges, depending on efficiency requirements



Application

As the largest pulse jet filter made by Coperion, this rectangular bodied filter can handle high air volumes. The RPT is cataloged through 420 bags, but can be built to virtually any size.

With topside bag replacement, RPT filters are suitable for applications with a limited footprint. The filter media is removed vertically from the top clean section rather than from the side. A clean air plenum with hinged top doors offers easy access to the tubesheet and filters. A walk-in plenum is an available option where required. High entry inlets are an available option.

Equipment

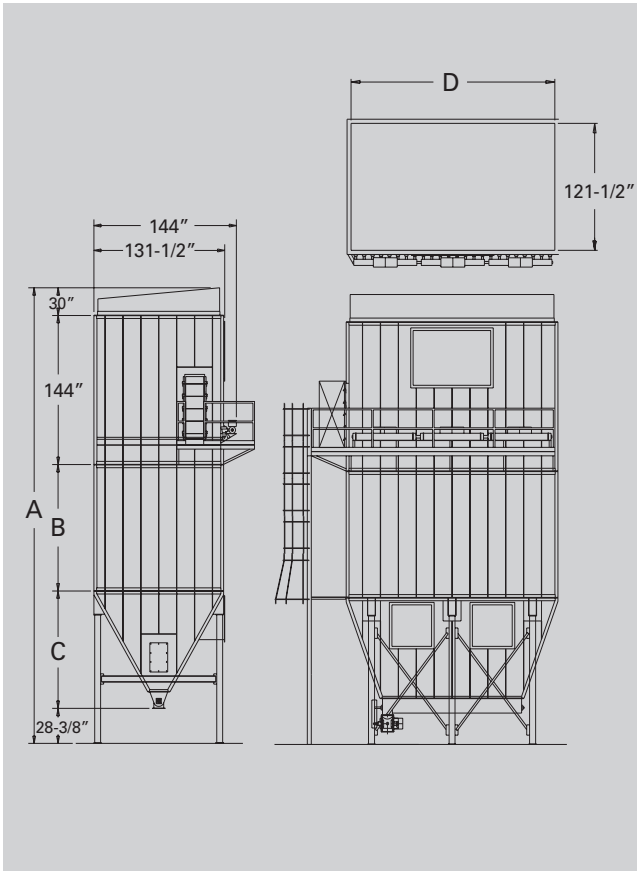
Electronically timed compressed air is released into a row of filter bags during operation. These pulses dislodge the captured dust and allow the filter to clean itself without shutting down the operation. Coperion offers this filter in two styles: with and without a hopper.

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 a hopper entry inlet and discharges the collected dust through an airlock for dust disposal or recycling.

Standard Specifications

- Unit stressed for 17" W.C. and 180 °F standard temperature
- Carbon or stainless steel construction
- Available with 168, 196, 224, 252, 280, 308, 336, 364, 392, or 420 filters
- Bag lengths available are 120" or 144"
- Cartridge lengths are 39" or 55"

Dimensions



Model	Cloth Area (Sq. Ft.)	Approx. Weight Lbs.	Dimensions (inches)			
			A	B	C	D
120RPT168	2,789	14,245	372-7/8	104	96-1/2	104-1/2
144RPT168	3,360	15,730	420-7/8	104	96-1/2	104-1/2
120RPT196	3,254	15,930	387-5/8	104	111-1/4	121-1/2
144RPT196	3,920	17,530	435-5/8	122	111-1/4	121-1/2
120RPT224	3,719	17,400	387-5/8	104	111-1/4	138-1/2
144RPT224	4,480	19,110	435-5/8	122	111-1/4	138-1/2
120RPT252	4,183	18,890	387-5/8	104	111-1/4	155-1/2
144RPT252	5,040	20,710	435-5/8	122	111-1/4	155-1/2
120RPT280	4,648	20,630	387-5/8	104	111-1/4	172-1/2
144RPT280	5,600	22,550	435-5/8	122	111-1/4	172-1/2
120RPT308	5,113	22,090	387-5/8	104	111-1/4	189-1/2
144RPT308	6,160	24,130	435-5/8	122	111-1/4	189-1/2
120RPT336	5,578	23,580	387-5/8	104	111-1/4	206-1/2
144RPT336	6,720	25,730	435-5/8	122	111-1/4	206-1/2
120RPT364	6,042	25,100	387-5/8	104	111-1/4	223-1/2
144RPT364	7,280	27,310	435-5/8	122	111-1/4	223-1/2
120RPT392	6,507	26,540	387-5/8	104	111-1/4	240-1/2
144RPT392	7,840	28,910	435-5/8	122	111-1/4	240-1/2
120RPT420	6,972	28,060	387-5/8	104	111-1/4	257-1/2
144RPT420	8,400	30,510	435-5/8	122	111-1/4	257-1/2

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