



PJD Dust Collectors

Economical dust collection for low volume applications

The PJD dust collector is a compact, self-cleaning, continuous duty pulse-jet unit. PJD models have fabric filter bags with filtering area ranging from 67 to 1231 square feet.

Effective filtration

The standard polyester felt filter bags provide up to 99.9% mass efficiency. The PJD's effective filtration permits filtered air to be recirculated in-plant where allowable. Recirculation of in-plant air reduces heating and air conditioning costs and creates a healthier working environment.

Flexible design features

Units are available as complete dust collectors with hoppers and support legs, or bin vent filters with open bottom flanged mounting. Filter bags are easily accessed through a hinged, gasketed side service door. Various fan packages and hopper discharge component options compliment the PJD for complete system integration.

Simple operation

The continuous duty PJD operates with conventional baghouse practices. The bottom entry system brings dust laden air into the hopper. Heavy particles fall immediately into the hopper bottom. Airflow is drawn through the bags collecting dust on the outside bag surface. The pulse cleaning process removes collected dust from the bag surface which then settles to the dust collector hopper. Cleaned air exhausts upward through the filter bags and out of the collector. The PJD's simple and industry proven operating principles provide user confidence. Performance expectations are assured without risk.

Continuous duty cleaning

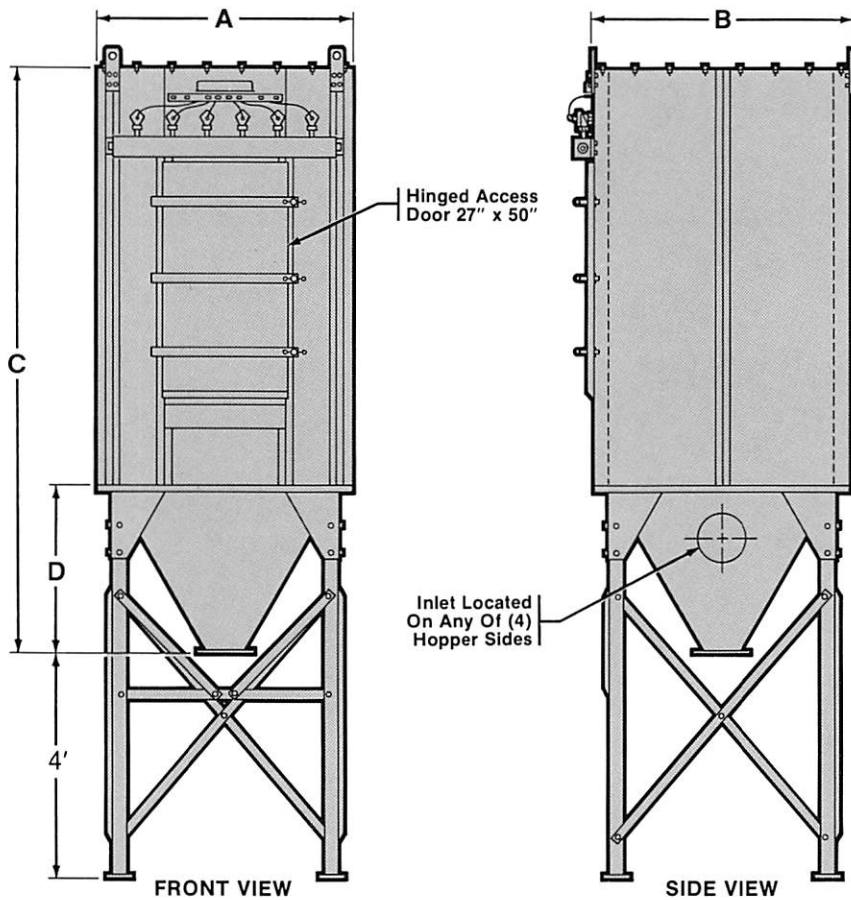
The PJD remains on-line while it self-cleans. A remote mounted timer controls the cleaning valves which introduce high pressure air jets into each row of filter bags through venturi jet nozzles. This primary air jet induces secondary cleaning air for enhanced filter cleaning. The venturi effectively seals the bag top during cleaning resulting in optimal cleaning efficiency. The timer sequenced pulse jet system cleans each row of filter bags in succession while the collector continues operation. Continuous duty cleaning assures constant airflow providing effective dust control and stable operating pressure drop.



Rugged design installs easily

The PJD features heavy duty 12 gauge steel ribbed construction. The all welded design provides airtight integrity for operating pressure or vacuum up to 17 inches of water column. The PJD ships in major assemblies, facilitating fast installation and set-up. The rugged design coupled with factory assembled sections means fewer field man-hours during the installation process.

Dimensions and Specifications



Standard Equipment

- 12 gauge construction
- 16 oz. polyester felt bags
- Galvanized bag cages
- Magnehelic gauge
- Nema 4 solenoid valves
- Nema 4 pulse timer
- Blue enamel finish coating, unprimed interior

Optional Equipment

- Fan packages
- Fan chamber silencer
- Volume control damper
- Bin vent grid
- Hopper discharge —
 - PJD9, 16 - 5 gallon pail with or without gate valve
 - PJD25-100 - 55 gallon drum cover pack
- 8" AN rotary airlock
- Platform and ladder packs for 49PJD8-100PJD
- Explosion vents
- Explosion vent weather covers
- Exterior hostile environment coating
- Prime coat interior
- Photohelic gauge
- Bag service internal platform
- Special filter media
- Sloped roof
- Stainless steel construction
- Nema 7 or 9 solenoid valves

SIZE	NO. BAGS	BAG LENGTH	FILTER AREA SQ. FT.	DIMENSIONS				NET WT.
				A	B	C	D	
9PJD6	9	6'	67.5	2'-5"	2'-10"	8'-7 ⁵ / ₈ "	1'-3 ¹ / ₂ "	950
			89.5	2'-5"	2'-10"	10'-7 ⁵ / ₈ "	1'-3 ¹ / ₂ "	1050
16PJD6	16	6'	120.0	3'-5"	3'-0"	9'-1 ³ / ₄ "	1'-9 ⁵ / ₈ "	1300
			159.0	3'-5"	3'-0"	11'-1 ³ / ₄ "	1'-9 ⁵ / ₈ "	1500
25PJD6	25	6'	187.5	3'-11 ¹ / ₂ "	4'-0 ¹ / ₂ "	9'-8 ¹ / ₄ "	2'-4 ¹ / ₈ "	1600
			249.0	3'-11 ¹ / ₂ "	4'-0 ¹ / ₂ "	11'-8 ¹ / ₄ "	2'-4 ¹ / ₈ "	1950
36PJD6	36	6'	270.0	4'-7"	4'-8"	10'-2 ³ / ₄ "	2'-10 ⁵ / ₈ "	1900
			358.0	4'-7"	4'-8"	12'-2 ³ / ₄ "	2'-10 ⁵ / ₈ "	2200
49PJD8	49	8'	483.0	4'-11"	5'-0"	12'-6 ¹ / ₄ "	3'-2 ¹ / ₈ "	2600
			603.0	4'-11"	5'-0"	14'-6 ¹ / ₄ "	3'-2 ¹ / ₈ "	2800
64PJD8	64	8'	630.0	5'-10"	5'-11"	13'-3 ³ / ₄ "	3'-11 ⁵ / ₈ "	3300
			788.0	5'-10"	5'-11"	15'-3 ³ / ₄ "	3'-11 ⁵ / ₈ "	3600
81PJD8	81	8'	798.0	6'-5 ¹ / ₂ "	6'-6 ¹ / ₂ "	13'-10 ¹ / ₄ "	4'-6 ¹ / ₈ "	4000
			997.0	6'-5 ¹ / ₂ "	6'-6 ¹ / ₂ "	15'-10 ¹ / ₄ "	4'-6 ¹ / ₈ "	4300
100PJD8	100	8'	985.0	7'-1"	7'-2"	14'-4 ³ / ₄ "	5'-0 ⁵ / ₈ "	4400
			1231.0	7'-1"	7'-2"	16'-4 ³ / ₄ "	5'-0 ⁵ / ₈ "	4800

Dimensions and specifications subject to change without notice or obligation. Contact a Torit & Day representative for certification.



Donaldson Company, Inc.
Industrial Group
P.O. Box 1299
Minneapolis, MN 55440
(800) 365-1331

Torit & Day – Filtration solutions for a cleaner world.

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