

AeroStruct™ Baghouse Solutions

AeroStruct™ MPT

Round-body baghouse with tangential inlet and pulse jet cleaning for high-efficiency dust collection in demanding industrial airflow conditions, using a medium-pressure cleaning system.

Why AeroStruct™ MPT

Built to keep airflow steady and protect uptime, without relying on plant compressed air.

AeroStruct™ MPT is designed for industrial sites that cannot afford inconsistent airflow, plugged filters, or maintenance surprises. Its medium-pressure cleaning system is designed to support lower operating costs, and the integrated blower package supplies cleaning air without tying into facility compressed air.

Key Benefits

- Efficient tangential inlet and pulse jet cleaning for demanding airflow conditions
- Integrated blower package supplies cleaning air, no plant compressed air connection required
- Handles high material load applications with industrial-grade construction
- Service-friendly design with tool-less bag changes and common industry bag and cage sizes
- Designed for explosive atmospheres with explosion-proof drives and modern explosion venting options
- Supported by ISS from application engineering through installation and long-term service

Typical Applications



AeroStruct™ MPT Models and Performance

TYPICAL CFM RANGE	BAG QUANTITY	SQ. FT. CLOTH	O.D.	BAG LENGTH	MODEL
9,700 TO 17,100	255	2,470	10'	8'	8MPT255
12,200 TO 21,400	255	3,088	10'	10'	10MPT255
14,600 TO 25,800	255	3,705	10'	12'	12MPT255
11,600 TO 20,500	306	2,964	11'	8'	8MPT306
14,600 TO 25,700	306	3,705	11'	10'	10MPT306
17,600 TO 30,900	306	4,446	11'	12'	12MPT306
13,800 TO 24,200	361	3,497	12'	8'	8MPT361
17,200 TO 30,300	361	4,371	12'	10'	10MPT361
20,800 TO 36,500	361	5,245	12'	12'	12MPT361
15,900 TO 27,900	416	4,030	13'	8'	8MPT416
19,900 TO 34,900	416	5,037	13'	10'	10MPT416
23,900 TO 42,000	416	6,044	13'	12'	12MPT416
18,800 TO 33,100	494	4,785	14'	8'	8MPT494
23,600 TO 41,500	494	5,981	14'	10'	10MPT494
28,400 TO 49,900	494	7,178	14'	12'	12MPT494

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Range Summary

Model Range Highlights:

- Bag diameter: 5 in.
- Typical system cleaning capacities: 10,000 to 50,000 CFM (additional capacities in development).

Selection Guidance

What to consider when selecting an MPT model:

- Target airflow (CFM) and operating range
- Dust type, loading rate, and abrasion potential
- Footprint, height constraints, and service access
- Whether facility compressed air is available or preferred to be avoided
- Integration needs with ductwork, fans, and pneumatic systems

Options

Available options may include:

- Stainless steel construction
- Wear liners for abrasive materials
- Filtration media selections
- Support structures and access platforms
- Broken bag detection
- Custom exhaust stacks
- Custom configurations to meet site requirements

Need help selecting the right AeroStruct MPT model?

Scan the QR code or contact ISS to request support for your application.

