

AeroStruct™ HPS Baghouse Solutions

AeroStruct™ HPS

Square or rectangular body bin vent baghouse with a high-pressure cleaning system that has no moving parts, designed for minimal maintenance and reliable dust control in demanding industrial environments.

Why AeroStruct™ HPS

Designed for sealed equipment venting and light-duty primary collection, where maintenance simplicity and uptime matter.

AeroStruct™ HPS is built for operations that need dependable filtration performance while minimizing maintenance burden. The high-pressure cleaning system uses facility compressed air and includes controls and access features designed to simplify service.

Key Benefits

- High-pressure cleaning system with no moving parts to support minimal maintenance
- Uses facility compressed air to supply cleaning air
- On-demand cleaning capability with a standard timer board
- Instrumentation wiring for remote monitoring
- Bottom-loaded bag and cage replacement using common industry bag and cage sizes
- Large side access doors for easier bag changes
- Standard explosion venting available across models
- Supported by ISS from application engineering through installation, startup, and long-term service

Typical Applications



AeroStruct™ HPS Models and Airflow Relationship

CFM RANGE	BAG QUANTITY	SQ. FT. CLOTH	L X W	BAG LENGTH	MODEL
3,000 TO 6,100	81	1,018	72" x 72"	8'	8HPS81
3,800 TO 7,600	81	1,272	72" x 72"	10'	10HPS81
3,800 TO 7,600	100	1,257	80" x 80"	8'	8HPS100
4,700 TO 9,400	100	1,571	80" x 80"	10'	10HPS100
4,600 TO 9,100	121	1,521	88" x 88"	8'	8HPS121
5,700 TO 11,400	121	1,901	88" x 88"	10'	10HPS121
5,400 TO 10,800	144	1,810	96" x 96"	8'	8HPS144
6,800 TO 13,500	144	2,262	96" x 96"	10'	10HPS144
6,400 TO 12,700	169	2,124	104" x 104"	8'	8HPS169
8,000 TO 15,900	169	2,655	104" x 104"	10'	10HPS169
8,500 TO 16,900	225	2,827	120" x 120"	8'	8HPS225
10,600 TO 21,200	225	3,534	120" x 120"	10'	10HPS225
10,900 TO 21,700	289	3,632	136" x 136"	8'	8HPS289
13,700 TO 27,200	289	4,540	136" x 136"	10'	10HPS289

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Performance and Sizing Overview

Sized to match your airflow requirements across a broad operating range.

AeroStruct™ HPS models cover typical system cleaning capacities from 3,000 to 27,000 CFM (additional capacities in development). Models use 6-inch diameter bags. Systems can be configured for applications that need sealed equipment venting and dust control on storage, process, and transfer equipment.

Selection Guidance

What to consider when selecting an HPS model:

- Required airflow (CFM) and duty cycle
- Application type (equipment venting vs light-loading primary collection)
- Facility compressed air availability, pressure, and quality
- Dust characteristics and any risk considerations
- Height, footprint, and service clearances for maintenance access

Options

Available options may include:

- Stainless steel or abrasive-resistant construction
- NEMA-rated electrical enclosures
- OSHA-approved service platforms
- Filtration media selections
- Broken bag detection
- Custom exhausts
- Custom configurations to meet site requirements

Need help selecting the right AeroStruct™ HPS model?

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

