

AeroStruct™ HBV Baghouse Solutions

AeroStruct™ HBV

Square or rectangular body bin vent baghouse designed to prevent dusting and product loss from displaced air while maintaining a sealed environment on silos and vessels, using a high-pressure cleaning system.

Why AeroStruct™ HBV

Relief filtration that supports cleaner operations and steadier material handling, with minimal maintenance.

AeroStruct™ HBV is designed for dusty fill and venting applications on silos and vessels where consistent filtration performance supports housekeeping and compliance. The high-pressure cleaning system has no moving parts and uses facility compressed air to supply cleaning air.

Key Benefits

- High-pressure cleaning system with no moving parts to support minimal maintenance
- Uses facility compressed air to supply cleaning air
- Designed for sealed equipment venting to prevent dusting and product loss from displaced air
- 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
- Flanged bottom for easier mounting on process equipment
- Supported by ISS with application engineering, service, and aftermarket parts over the long haul

Typical Applications



Also used for bin and vessel venting on storage equipment and process equipment such as dryers and mixers.

Range Summary

Model range highlights:

- Filter area range: 41 to 1,280 sq ft
- Overall height range: 4'-10" to 10'-8"
- Number of valves: 3 to 10
- Bag diameter: 5 in.
- Typical system cleaning capacities: 100 to 6,540 CFM (additional capacities in development)

Selection Guidance

What to consider when selecting an HBV model:

- Vessel or silo connection and mounting constraints
- Required venting airflow during filling operations
- Facility compressed air availability, pressure, and quality
- Available height, footprint, and service access constraints
- Dust type and operating environment

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AeroStruct™ HBV Model Matrix

CFM RANGE	BAG QUANTITY	SQ. FT. CLOTH	L X W	BAG LENGTH	MODEL
100 TO 200	9	35	2'-0" x 2'-0"	3'-0"	36HBV009
170 TO 340	9	57	2'-0" x 2'-0"	4'-10"	58HBV009
250 TO 500	9	82	2'-0" x 2'-0"	7'-0"	84HBV009
140 TO 280	12	47	2'-0" x 2'-8"	3'-0"	36HBV012
230 TO 460	12	76	2'-0" x 2'-8"	4'-10"	58HBV012
330 TO 660	12	110	2'-0" x 2'-8"	7'-0"	84HBV012
190 TO 380	16	63	2'-8" x 2'-8"	3'-0"	36HBV016
300 TO 600	16	101	2'-8" x 2'-8"	4'-10"	58HBV016
440 TO 880	16	147	2'-8" x 2'-8"	7'-0"	84HBV016
240 TO 480	20	79	2'-8" x 3'-4"	3'-0"	36HBV020
380 TO 760	20	127	2'-8" x 3'-4"	4'-10"	58HBV020
550 TO 1,100	20	183	2'-8" x 3'-4"	7'-0"	84HBV020
470 TO 940	25	158	3'-4" x 3'-4"	4'-10"	58HBV025
690 TO 1,380	25	229	3'-4" x 3'-4"	7'-0"	84HBV025
570 TO 1,140	30	190	3'-4" x 4'-0"	4'-10"	58HBV030
830 TO 1,660	30	275	3'-4" x 4'-0"	7'-0"	84HBV030
680 TO 1,360	36	228	4'-0" x 4'-0"	4'-10"	58HBV036
990 TO 1,980	36	330	4'-0" x 4'-0"	7'-0"	84HBV036
800 TO 1,600	42	266	4'-0" x 4'-8"	4'-10"	58HBV042
1,160 TO 2,320	42	385	4'-0" x 4'-8"	7'-0"	84HBV042
930 TO 1,860	49	318	4'-8" x 4'-8"	4'-10"	58HBV049
1,350 TO 2,700	49	449	4'-8" x 4'-8"	7'-0"	84HBV049
1,060 TO 2,120	56	354	4'-8" x 5'-4"	4'-10"	58HBV056
1,540 TO 3,080	56	513	4'-8" x 5'-4"	7'-0"	84HBV056
1,220 TO 2,440	64	405	5'-4" x 5'-4"	4'-10"	58HBV064
1,760 TO 3,520	64	586	5'-4" x 5'-4"	7'-0"	84HBV064
1,370 TO 2,740	72	456	5'-4" x 6'-0"	4'-10"	58HBV072
1,980 TO 3,960	72	660	5'-4" x 6'-0"	7'-0"	84HBV072
2,230 TO 4,460	81	742	6'-0" x 6'-0"	7'-0"	84HBV081
2,650 TO 3,300	81	884	6'-0" x 6'-0"	8'-4"	100HBV081
2,470 TO 4,940	90	825	6'-0" x 6'-8"	7'-0"	84HBV090
2,950 TO 5,900	90	982	6'-0" x 6'-8"	8'-4"	100HBV090
2,750 TO 5,500	100	916	6'-8" x 6'-8"	7'-0"	84HBV100
3,270 TO 6,540	100	1,091	6'-8" x 6'-8"	8'-4"	100HBV100

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 exhaust stacks
- Custom configurations to meet site requirements

Need help selecting the right
AeroStruct™ HBV model?

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



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