



Bin Vents

The Intercept BV Bin Vent Dust Collector efficiently retains bin and silo dust from escaping into the atmosphere. ProVent Bin Vents utilize pulse filter cleaning to maintain airflow and filter longevity.

Standard Features

- **Continuous Pulse Filter Cleaning**
Static pressure is monitored and the cartridge filters pulsed clean when necessary
- **All Welded Heavy Sheet Steel**
12 Gauge Steel will stand up to years of daily abuse
- **Filter Racking System**
Provides a tight and even seal between the filter and fan assembly
- **Vertically Mounted Filters**
Vertically mounted filters clean better—allowing dust to more readily drop off of the filters when pulsed
- **Urethane Mastic External Coating**
Durethane DTM by PPG chemically resistant and extremely durable. Provides excellent corrosion resistance with superior color and gloss retention.
- **Welded Couplings**
.5" NPT for fire control equipment.

OPTIONS

MATING FLANGE

Connects to standard flange included at bottom of Bin Vent. Allows for mounting the collector on uneven surfaces.

WEATHER PROTECTION

Weather Termination Hood added to exhaust to protect BinVent from the elements

SAFETY SCREEN

The safety screen is fastened below the filters and prevents objects from falling into the silo.

FAN ASSIST

Adds an integral direct drive motor / blower assembly to Bin Vent to increase the flow of air through the filters.

EXPLOSION VENT

An explosion relief panel that releases pressure from the silo in the event of an explosion.



Specifications

	BV-2	BV-4	BV-6	BV-8
Maximum Air Flow (CFM)	1,200	2,500	4,000	6,000
Total SP (in. Wg) (Fan Assist)	3"	3"	3"	3"
TEFC Motor, HP (Fan Assist)	2	3	5	7.5
Motor / Fan RPM (Fan Assist)	3600	3600	3600	3600
Primary Voltage (Pulses Controller)	110V Single Phase			
Fan Assist Voltage	460 Volt 3 Phase 60 Hertz			
Motor Full Load Amps (Fan Assist)	3.4	7.6	11	21
Fan Type (Fan Assist)	Direct Drive, Backward Inclined Welded Mild Steel Fan			
Housing Construction	12 Gauge, Solid Welded			
Filter Media Sq. Ft.	589	1,178	1,767	2,651
Air To Cloth Ratio	2.04	2.12	2.26	2.26
Filter Media Std.	80 / 20 Cellulose / Polyester blend			
Filter Cartridge	12.75" x 34" W/ 14" x 16" Top Flange			
Number of Filters	2	4	6	8
Pulse Valves	(1x) Enclosed Timer with Differential Pressure Switch	(2x) Enclosed Timer with Differential Pressure Switch		(3x) Enclosed Timer with Differential Pressure Switch
Pulse Timer	(IP65) 115V, Single Phase. Includes Digital OP Gauge.			
Filter Racking	Vertically Mounted Filters. Sealing Via Dual Rail 'Single Push' Cam Locking Assembly			
Compressed Air	80-90 PSI Required Hook Up: 1" NPT Coupling			
External Coating	Durethane DTM By PPG: Urethane Mastic Coating. Color: Vent Blue			
Fire Control	(2X) .5" NPT Fittings Welded into Housing for the Connection of Fire Control Equipment		(4X) .5" NPT Fittings Welded into Housing for the Connection of Fire Control Equipment	