



BIN VENT/BAGHOUSE

We design and manufacture industrial-duty dust filters for use with any material in any climate.

When material discharges into a silo or other vessel, the air must be allowed to escape. For dusty material that air must be filtered before venting to atmosphere. That's where a bin vent or baghouse with Pulse Jet Filter comes in.

In operation, dry bulk material is discharged into a silo where heavy particles fall to the bottom. Fine dusty particles may float upwards toward the bin vent. At this point the air passes through tubular filter media and out to atmosphere, leaving the dusty material behind. These filter tubes are elongated to allow plenty of surface area for air to pass through in a small amount of space.

Either on a timer or by pressure switch, a high energy burst of compressed air pulses into the center of the filter tubes, flexing the bag or cartridge and blowing the dust from the surface. US Systems provides rugged, long-lasting filter media specified for your material. We continue supporting your system by making it easy to reorder filter media when needed.



Features/Options/Benefits:

- Bottom, side, or top-access via top-door or walk-in plenum
- Utilizes self-Cleaning Pulse Jet technology
- Tool-less access door
- Welded safety grate
- NEMA timer controls
- Differential pressure gauge for monitoring pressure delta
- Stainless, painted carbon steel, or aluminum construction
- Laser-cut tube sheets
- Solid state industrial controls and automation
- Exhaust Fan
- Portable units available
- Support lugs
- Legs available
- Custom sizing
- Heated units available for arctic installations



Bin Vent with Pulse Jet

