

FILTERED BAG DUMPS

Bulletin 1200.008(Rev. 04/98)

The SINCLAIR Filtered Bag Dump Station... for "workstation" convenience and systems integration... bag opening, emptying and dust collection ... all with our guarantee of quality. Expertise in bulk material handling, at the individual process station level.

The **SINCLAIR Filtered Bag Dump Station** is designed as a free-standing bag opening, dumping and dust collecting system. The assembly is completely self-supporting and provides an excellent in-plant workstation for bag slitting, dumping and processing. The **integral dust collection system** is normally designed with dual pleated cartridge filters, an exhaust blower to direct the dust-laden air over and through the filters, and a pulse-jet manifold to provide periodic filter cleaning. Cleaned air is exhausted through the top plenum.

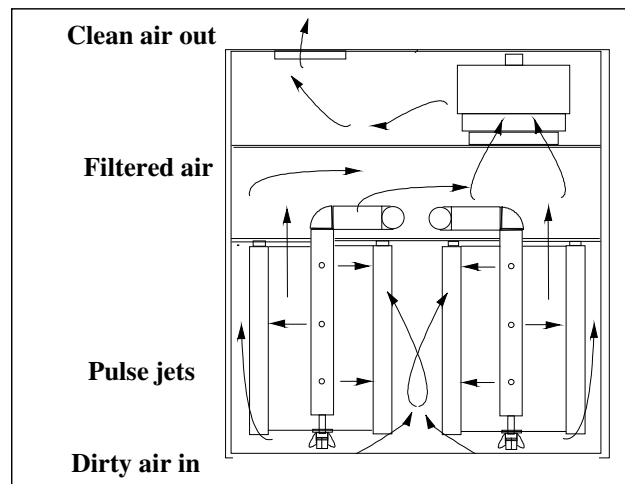


Stainless steel bag dump station with push button operator's controls and support legs to grade

For extra heavy dust load applications, modular dust collection sub-systems are available as options.

Systems are available in carbon steel, stainless steel and sanitary stainless construction, with cartridge media selected to meet your process requirements. Sandblasting and custom coating are also available for all mild steel units.

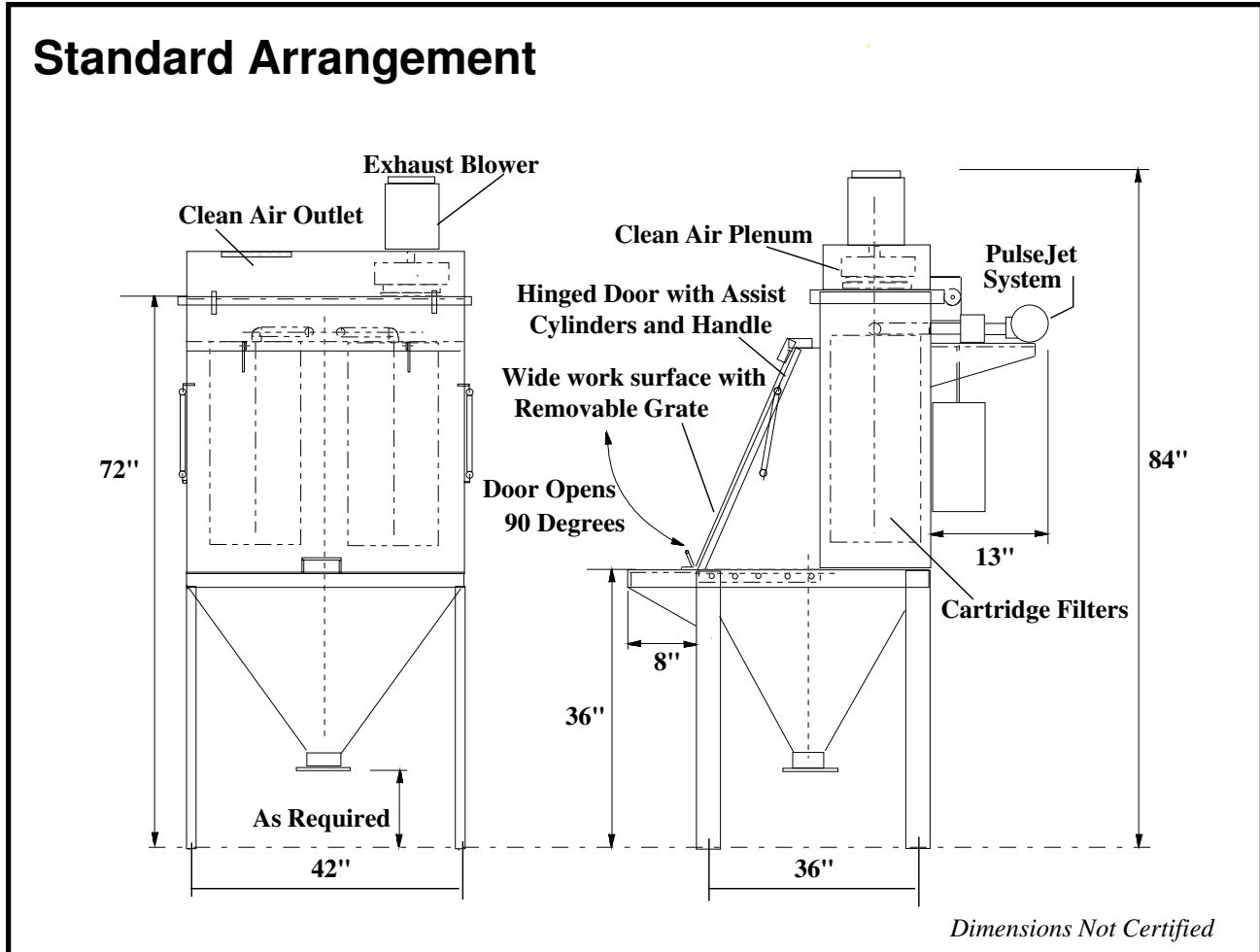
The **SINCLAIR Bag Dump Station** can be fitted with bottom discharge hoppers for mating to mixers, blenders, delumpers, pneumatic or vibratory conveyors or a **SINCLAIR Screw Feeder**. Accessory devices include bag compactors, magnetic dump grates, hopper vibrators for flow aid, and complete systems packages.



Standard Filtered Air Flow

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EXPLANATION OF CYCLE:

The operator places the bag on the integral shelf, opens the bag and dumps the contents through the grate. As the product falls through the discharge hopper, the exhaust fan draws air over and through the grate. The dusty air is directed behind a baffle and through the filter cartridges. The particulate is captured on the surface of the

filter, and the filtered air passes through the center of the cartridge and into the inlet of the fan assembly. The cleaned air is exhausted through the clean air plenum and back into the work area. The filter cartridges are cleaned by a PulseJet pneumatic system which periodically introduces a high pressure air blast through the manifold system.

ALSO ASK YOUR REPRESENTATIVE ABOUT THESE OTHER SINCLAIR PRODUCTS ...

- Screw Conveyors
- Screw Feeders
- Belt Conveyors and Feeders
- Bucket Elevators
- Flex-Belt Conveyors
- Slide Gates
- Diverter Valves
- Apron Conveyors
- Cylindrical Storage Hoppers