

Application

The Mini Pulse-Clean Filter is a new line of miniature bin vent filters. Each unit has one small filter bag or cartridge filter element which is automatically pulse-cleaned with a burst of compressed air. These filters are made to fit Coperion K-Tron Loss-in-Weight feeder hoppers and Aerolock™ surge hoppers. This product fits the need for a small, reliable automatic vent filter and can remain in use for long periods of time without the blinding or maintenance of a static vent sock. A pulse timer or central controller can be used to send the pulse signal.

Design

Standard Features

- 6" model: Polyester felt filter bag with 0.09 m² [1ft²] filter area
- 8" model: 100% spunbond polyester pleated cartridge with 1.25 m² [13.5 ft²] filter area
- Compressed air pulse-jet filter cleaning, with solenoid operated control valve, IP65 [NEMA 4/12], 24 VDC and 115 VAC
- 2.5 m³/h [1.5 ft³/min] of clean, dry compressed air required at 5.5 - 6.89 bar(g) [80 - 100 psi(g)]
- Available in carbon steel or stainless steel
- CE compliant

Pulse-Clean Control Panel

- An existing PLC or any of the following control timers can be used to send the pulse signal to the solenoid
- 24 VDC NEMA 4X enclosure

5702-77 Continuous Use Panel

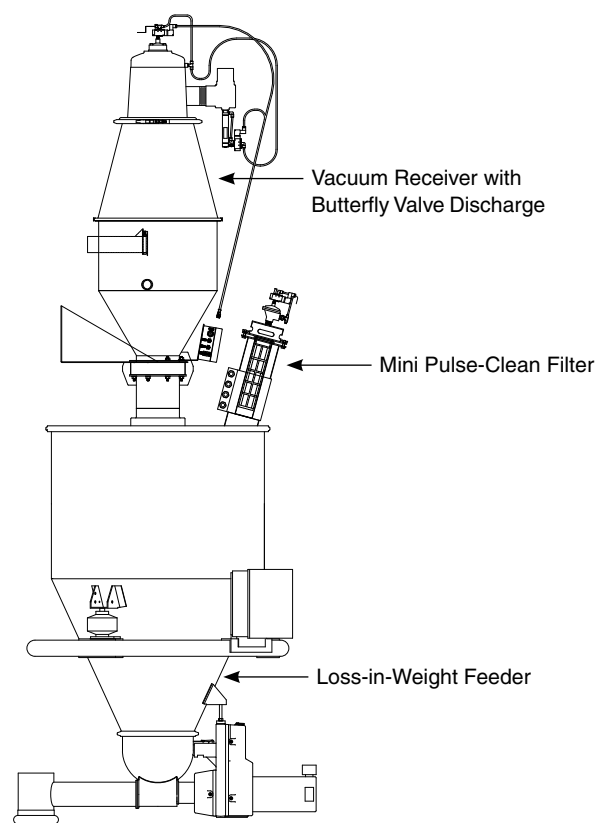
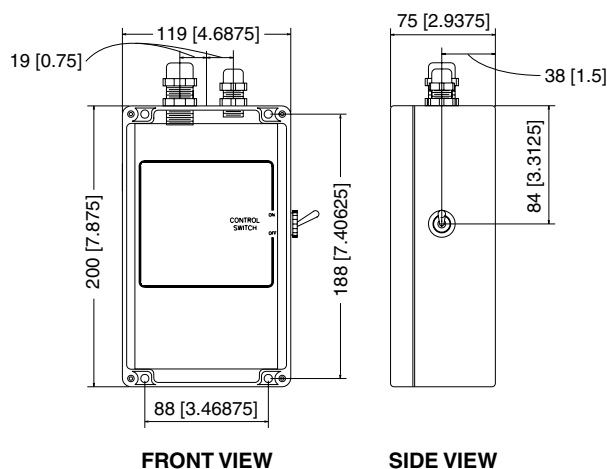
- Continuous control with adjustable off-time between pulses

5702-78 Refill Use Panel

- Includes delay timers: when the 24 VDC refill signal is satisfied and goes away, the timer will activate the solenoid for an adjustable number of pulses and will then await the next refill cycle

Options

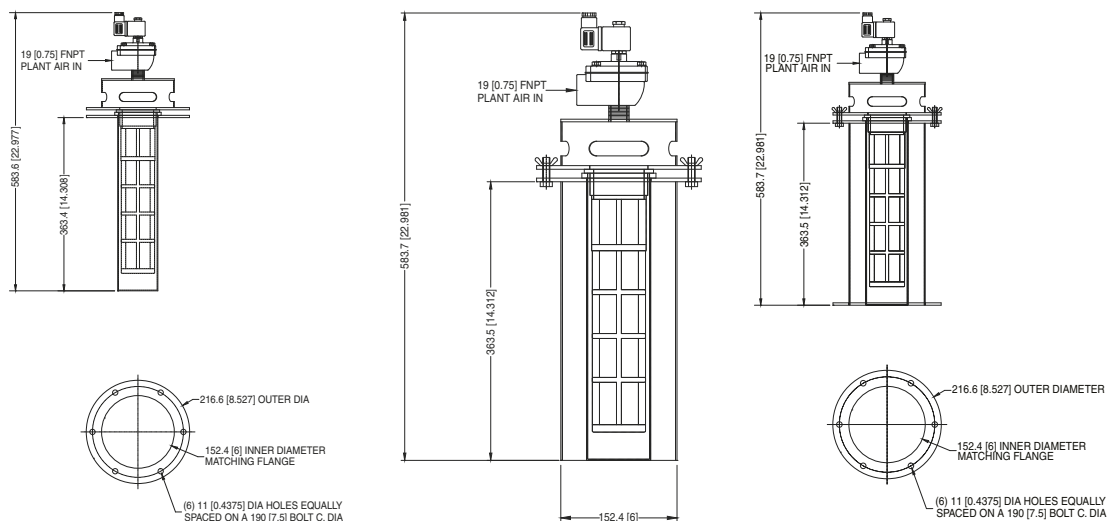
- PTFE coated filter media



**Typical Example of a
Mini Pulse-Clean Filter Installation**

Dimensions of Mini Pulse-Clean Filter with Filter Bag

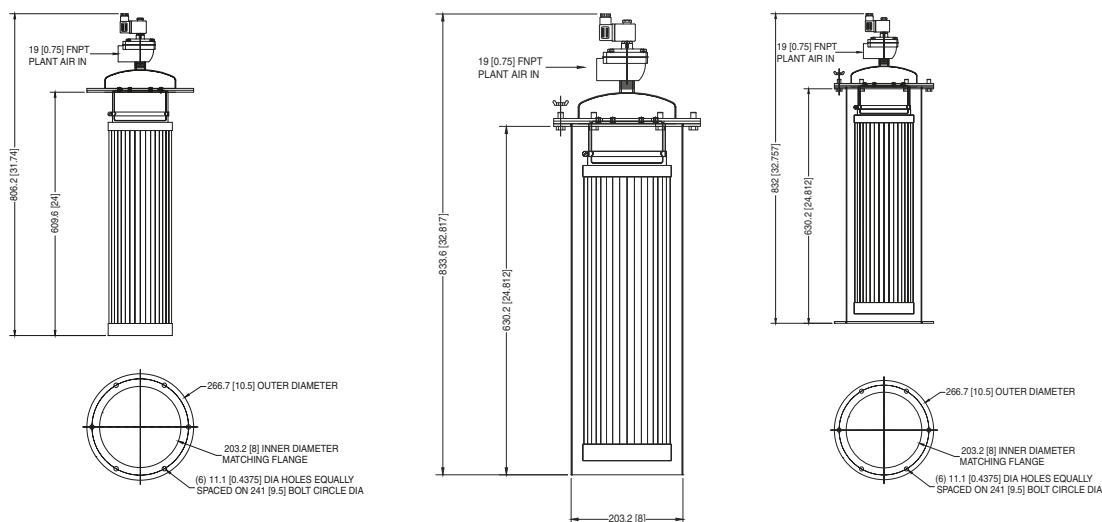
mm [in]



Description	Mini-Filter with No Housing		Mini-Filter with Discharge Stub Only		Mini-Filter with Flanged Discharge	
Material of Construction	Carbon Steel	Stainless Steel DIN 1.4301 (AISI 304) Material Contact	Carbon Steel	Stainless Steel DIN 1.4301 (AISI 304) Material Contact	Carbon Steel	Stainless Steel DIN 1.4301 (AISI 304) Material Contact
Part No.	5214-204M	5214-210M	5214-205M	5214-211M	5214-206M	5214-212M

Dimensions of Mini Pulse-Clean Filter with Cartridge

mm [in]



Description	Mini-Filter with No Housing		Mini-Filter with Discharge Stub Only		Mini-Filter with Flanged Discharge	
Material of Construction	Carbon Steel	304 Stainless Steel Material Contact	Carbon Steel	304 Stainless Steel Material Contact	Carbon Steel	304 Stainless Steel Material Contact
Part No.	5214-207M	5214-213M	5214-208M	5214-214M	5214-209M	5214-215M

Caution: Measurements are for general reference only. Please consult dimensional drawing for exact measurements.