

# Evacuate Vacuum Conveying Lines

Conair Purge Valves provide an effective means of purging conveying lines of residue material between conveying sizes and material changes.

Each valve is equipped with a single outlet and dual inlets: one for material and one for air. When activated, the valve halts material flow, and then floods the conveying line with air to evacuate material.



Purge Valve

## Automatically Floods Conveying Line With Air

The Purge Valve is programmed to remain open for a specific amount of time during the vacuum conveying cycle to allow material to flow.

While vacuum is still present, the material valve closes and the air valve opens, flooding the conveying line with air. The purging vacuum air moves any material in the line through to the destination, usually a vacuum receiver.

Equipped with an air inlet filter, the Purge Valve may be installed on most distribution box outlets to purge the line of material.

For dry air conveying systems, the air inlet filter may be easily substituted with a direct connection to the dry air source.

Most Conair controls provide the required signal to operate the valve's purging function. Both inlet and the outlet are popular OD line sizes.

### ▶ **Modular design**

Screw-in components allow common wear parts to be easily replaced and line sizes to be changed without the need of purchasing another valve on models PV1 and PV2.

### ▶ **Smooth aluminum body**

A non-corrosive, smooth path for material and air flow.

### ▶ **Easy to clean**

Removable with no tools, the lid provides wide open access.

### ▶ **High performance option**

Optimized for use with high temperature and/or highly abrasive materials.



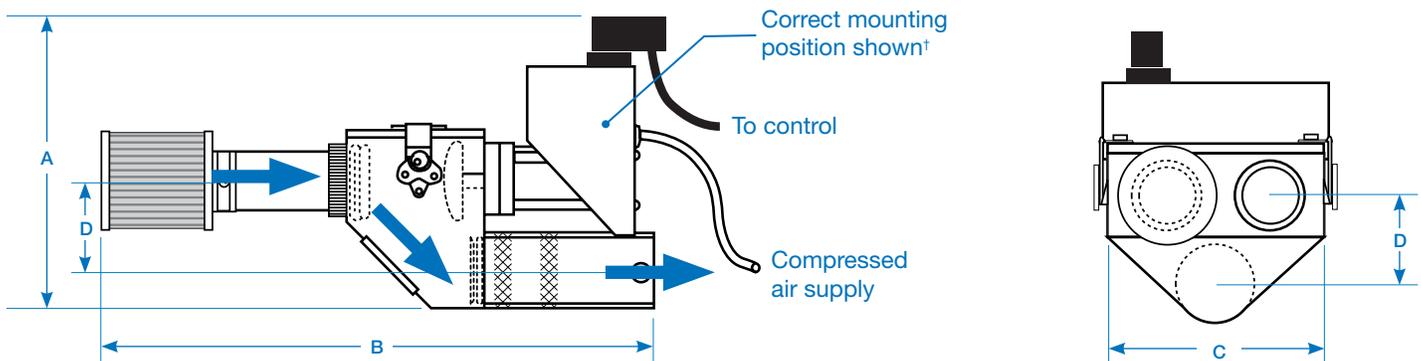
# Options

## High performance

The high performance line valve has a stainless steel inlet and outlet, includes a high temperature Viton seal in the pneumatic cylinder and a specially plated and heat-treated valve body, lid and plunger for maximum wear-resistance.

The high performance valve is optimized for use with high temperature materials, those exceeding 225°F {107°C}, and for highly abrasive materials including glass-filled resins and sharp regrind.

## Specifications



Model	PV-1	PV-2	PV-3	PV-4
<b>Performance characteristics</b>				
Line size diameter inches	1.5 - 2	2.25 - 2.5	3	4
Type of inlet/outlet connection	Screw-in		Welded	
Body type aluminum	Cast		Fabricated	
<b>Dimensions inches {mm}</b>				
A - Overall height	9.5 {241}	10.5 {267}	13.0 {330}	
B - Length	13.0 {330.2}		16.75 {425.4}	
C - Width	7.5 {190.5}	8.25 {210.0}	12.0 {304.8}	
D - Inlet/outlet offset height	2.5 {63.5}	3.0 {76.2}	4.0 {101.6}	
<b>Approximate weight lb {kg}</b>				
Installed	10 {5}	13 {6}	17 {8}	
Shipping	14 {6}	17 {8}	21 {10}	
<b>Voltage Full load amps †</b>				
120V/1 phase/60 Hz			0.25	
24V/1 phase/50 or 60 Hz			1.0	
<b>Compressed air requirement</b>				
Air consumption	0.2 ft <sup>3</sup> /min. @ 80 psi {0.09 liters/sec @ 5.5 bars}			
Hose requirement	1/4 inch hose fitting			

**Specification Notes**

\* Length dimension may vary by up to three inches depending on the length of the filter. Filter lengths change based on line size. The length also varies slightly depending on the positioning of the clamped on filter.

† Valves are to be mounted horizontally only.

‡ FLA data for reference purposes only. Does not include any options or accessories on equipment. For full FLA detail for power circuit design of specific machines and systems, refer to the electrical diagrams of the equipment order and the nameplate applied to the machine.

Specifications may change without notice. Consult with a Conair representative for the most current information.

