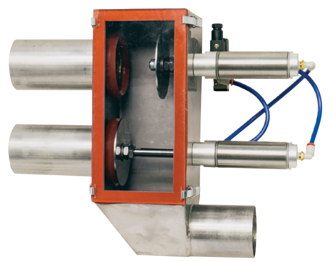
External Proportioning, Purge and Line Valves

Add these line valves to provide proportioning and material layering capability to vacuum loaders and receivers or use as dry air or ambient air convey/purge valves.

Heavy duty stainless steel construction with air actuated positive steel sealing disc(s). Easy, no-tool clean out through clear side cover.

5 YEAR warranty



The EPV Proportioning Valve is used as a material line selector at the receiver inlet, typically to layer regrind with virgin material.

Durable Construction

Abrasion-resistant stainless steel body with welded seams, flange-mounted high-heat silicone seals standard and stainless steel disc/seat with adjustable throw.

Easy-View of Interior

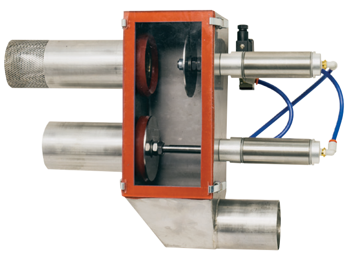
Through thick, full sized vertical polycarbonate window.

Easy Access

Quick-release latches allow access to interior.

High Temperature Applications

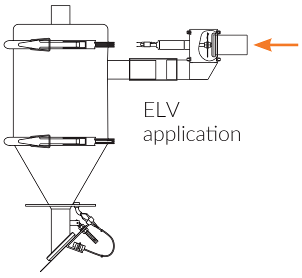
For use with all thermoplastic resins at temperatures up to 350° F. (170° C).

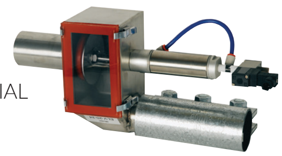


The EPV-Purge Valve is equipped with a filter screen and silicone material seal and is used for either ambient or dry air purging on material lines.

Plus

- Positive seal shutoff valve cylinders
- Supplied with coupler
- 5-Year warranty





ELV is used as a positive vacuum seal at the receiver inlet when not moving material, typically in common material line conveying systems. Provides in-line control of vacuum material flow. Available in 24 VDC or 115 VAC models.

Proportioning Loading Control with Blowback

Local Proportioning Controls

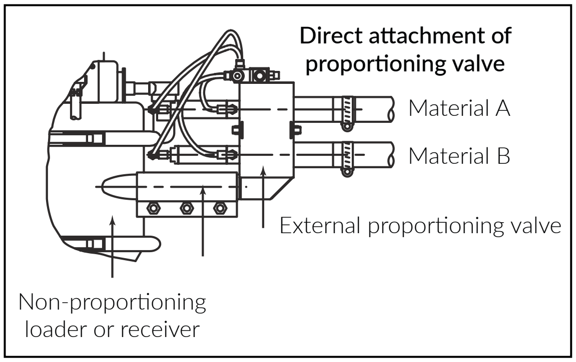
Many central and self contained loading controls are equipped with proportioning and/or purging control capability for the addition of the EPV.

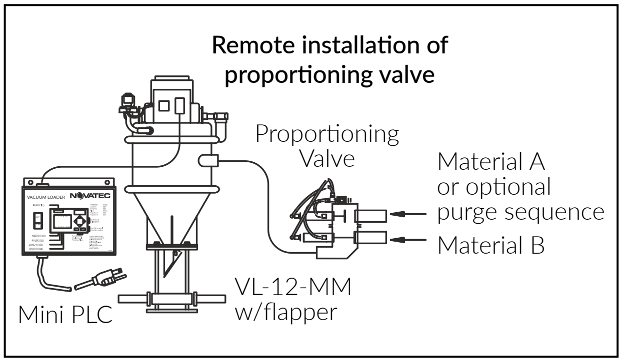
For control systems not equipped with proportioning, these mini PLC controls may be specified:

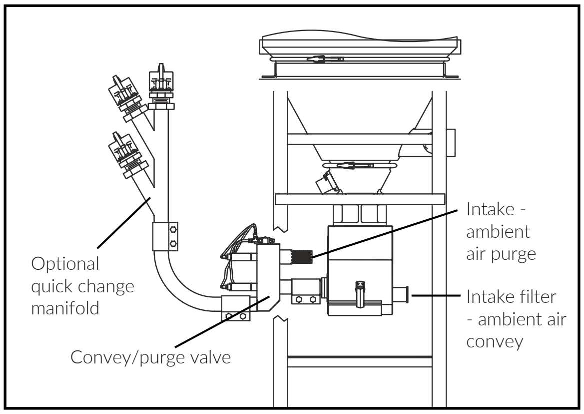
PC-1-24 Proportioning Control: (for 24 VDC control systems)

PC-1-11 Proportioning Control: (for 115 volt control systems)

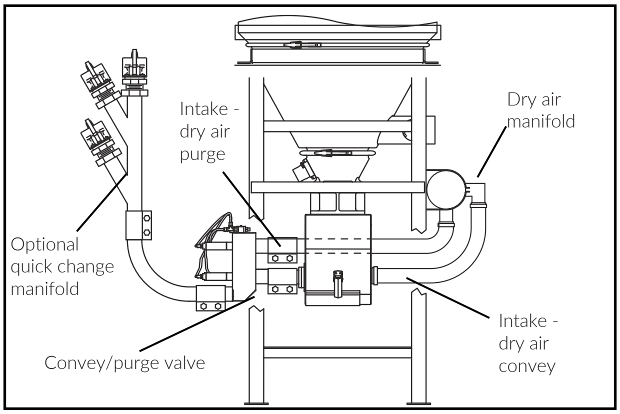
External Proportioning Valve Application







Configured to convey resin and purge material lines with ambient air.

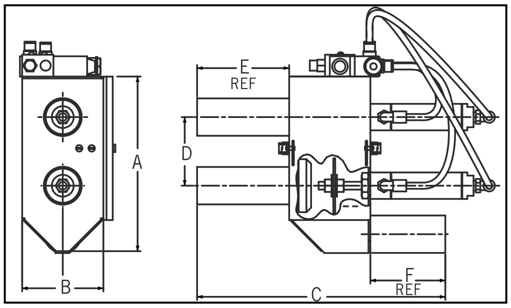


Configured to convey resin and purge material lines with dry air taken from dry air manifold.

Specifications

24 VDC Models	EPV-15-24		EPV-20-24		EPV-25-24		EPV-30-24		EPV-40-24	
115/1/60 Models	EPV-15-11		EPV-20-11		EPV-25-11		EPV-30-11		EPV-40-11	
Dimensions	in	cm	in	cm	in	cm	in	cm	in	cm
Inlet/Outlet O.D.	1.5	3.85	2	5.1	2.5	6.35	3	7.6	4	10.16
A - Height	7	17.8	8.5	21.6	11.38	28.9	11.38	28.9	14.75	37.5
B - Width	3.25	8.26	3.75	9.53	4.75	12.07	4.75	12.07	5.75	14.61
C - Length	9.94	25.25	9.94	25.25	10.69	27.15	12.25	31.1	13.19	33.5
D - Inlets C-C	2.75	7	3.25	8.26	4.19	10.64	4.19	10.64	5.25	13.34
E - Inlet Length	3.69	9.37	3.69	9.37	4.44	11.28	4.5	11.43	4.44	11.28
F - Outlet Length	3	7.62	3	7.62	3	7.62	3.5	8.89	4.5	11.4
ELV Height	6.4	16.3	6.6	17.8	7.7	19.6	7.7	19.6	9	22.9

Compressed air consumption: 0.2 ft^3/min at 80 psi (0.3 m^3/hr at 5.5 bars



Accessories:

Purge Screen Kit: to make EPV function as a external purge valve 1.5", 2.0", 2.5", 3.0" and 4.0"

DeviceNet Cable(s): in lieu of standard cable(s) 24VDC

Proportioning Valve Control: 24VDC P/N PC-1-24; 115/1/60 [Requires connection to 24VDC (or 115 if using 115V) power at the receiver or loader, plus load signal]

Baltimore, MD 21225 USA 410-789-4811 | Fax: 410-789-4638 | 1-800-BESTDRY (800-237-8379) | sales@novatec.com | **www.novatec.com**

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