

CPV-U Proportioning Valve

Designed to accurately mix and proportion virgin and regrind material.

Comet's CPV-U series proportioning valve utilizes a unique valve body design to smoothly convey virgin and regrind materials to the molding machine in a pre-selected ratio. It can be mounted on an individual hopper loader or onto a pipeline.

After material loading time and proportion valve is set, the opening and closing start time of the air cylinder controls the feeding proportion of virgin and regrind to the hopper loader.

Standard Features

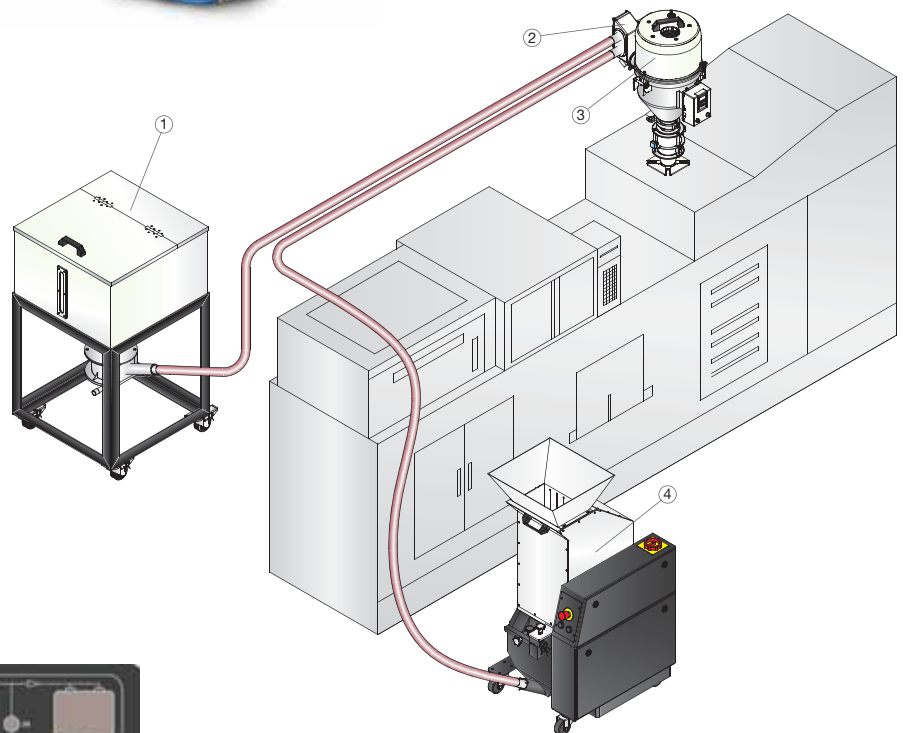
- Easy installation and operation.
- Valve body's unique design conveys material smoothly.
- Solenoid valve ensures the air cylinder accurately proportions virgin and regrind materials.
- Instantly recycles the regrind material to reduce production cost.
- Select one to four function levels to mix material evenly.
- No need to order a control box when operating with an SAL-U series hopper loader (control box is separate when performing other operations).



CPV-38U-C



CPV-U Back



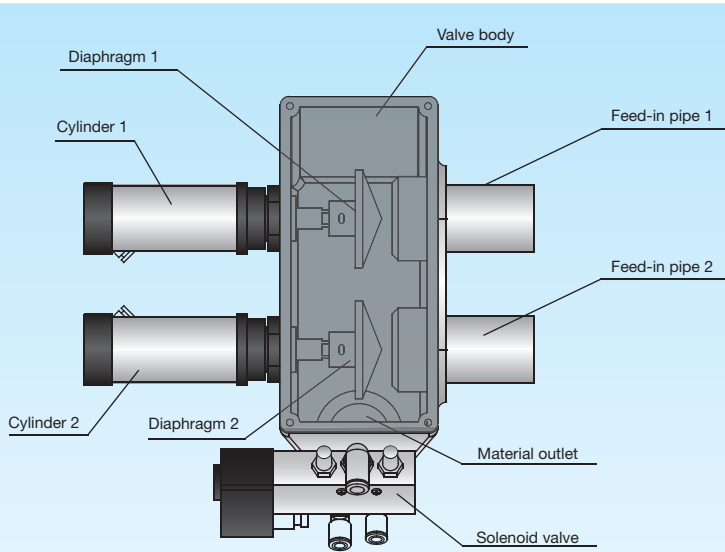
1. Material storage tank
2. Proportional valve
3. Standard self-contained hopper loader
4. Low-speed granulator



Control



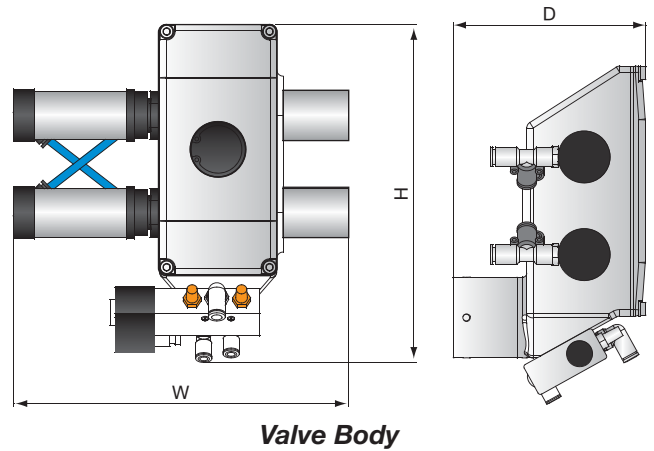
Control Panel



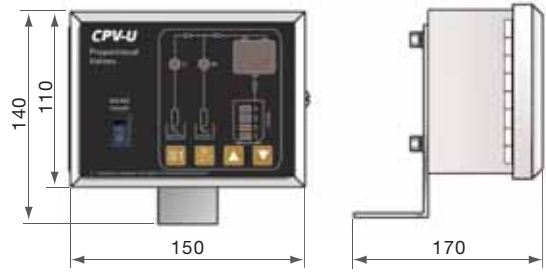
Working Principle

To achieve the proportional mix, set the material load time and proportion of the secondary material. The air cylinder tank controls the feeding proportion of the virgin and secondary material in the hopper by opening, closing and start time of the conical diaphragm 1 and 2.

Outline Drawings



Valve Body



Control Panel

Specifications

Model	Drive	Compressed Air Pressure	Maximum Material Flow	Pipe Size (in)	Dimension (mm, H x W x D)	Weight (lb)
CPV-38U-(C)	Cylinder	65-80 PSI	772 lb/hr	1.5	270 x 300 x 150	7.71
CPV-50U-(C)	Cylinder	65-80 PSI	1213 lb/hr	2	270 x 300 x 150	8.38

Notes: 1. C = control cabinet (no need of control box when working with SAL loaders).

2. Maximum material flow based on pellet material of 1.43 lbs. in bulk density and 1/8" - 3/16" in diameter.

3) Power supply: 1Ø, 115/230VAC, 50/60Hz.

We reserve the right to change specifications without prior notice.

