

Compressed Air Venturi Loaders

Venturi loaders use compressed air through a venturi to generate a vacuum to convey plastic granules.

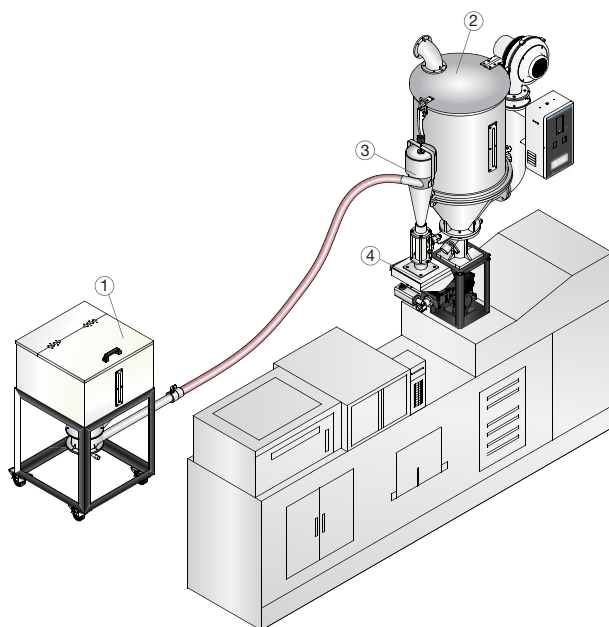
Comet's VL venturi loaders series are simple, effective material conveying units using pressurized air (approximately 85 PSI) to create a vacuum for conveying plastic granules. The units are ideally suited for conveying raw material directly to the molding machine feed throat.

There are two models available:

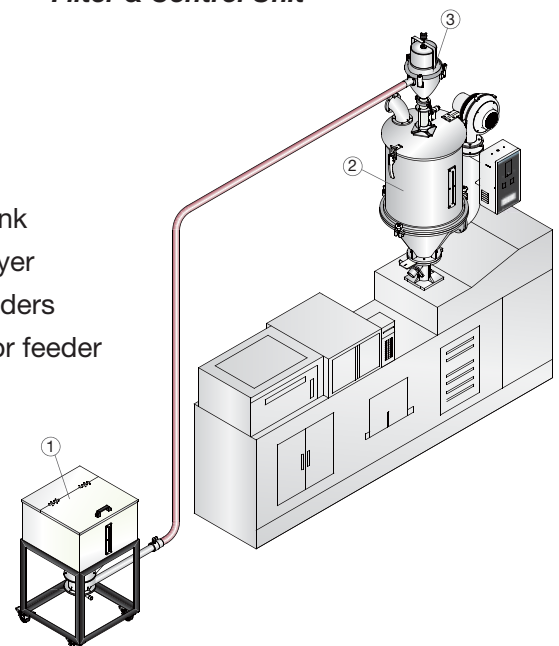
- **VL-50:** conveys up to 88 lbs/hr. (40 kg/hr.)
- **VL-100:** conveys up to 132 lbs/hr. (60 kg/hr.)

Standard Features

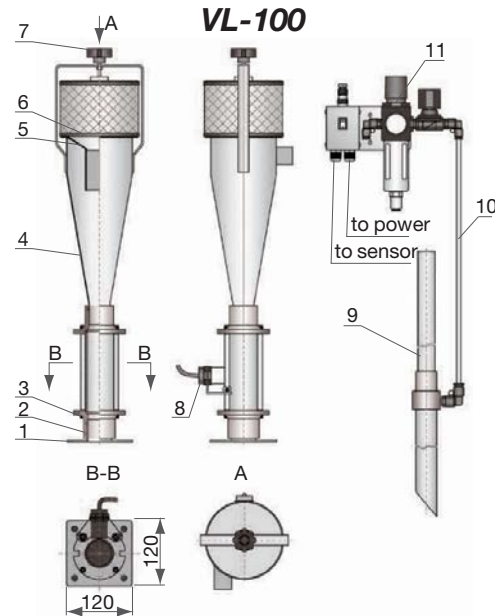
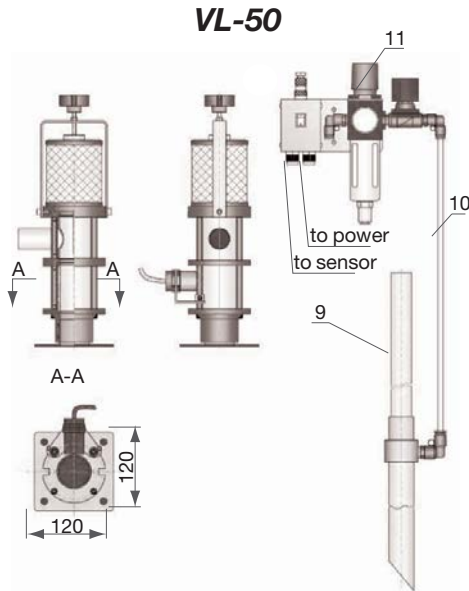
- Contamination-free stainless steel material hopper and base.
- Environmentally friendly air exhaust filter.
- High pressure air conveys material ensuring quiet operation.
- Capacity sensor mounted onto the glass tube for accurate level sensing.
- Compressed air filter and regulator eliminates moisture and maintains a steady air pressure.
- Easily access material hopper for convenient cleaning.
- Compact, light weight design ensures quick installation and easy operation.
- Adjustable hopper and base mounts.



1. Material tank
2. Hopper dryer
3. Venturi loaders
4. Single color feeder



Structure



1. Base
2. O-Ring
3. Flange Connecting Pole
4. Hopper

5. Material Flap
6. Air Filter
7. Fixing Knob
8. Sensor

9. Conveying Pipe
10. Air Pipe
11. Compressed Air Filter, Lubricator Cap & Regulator

Specifications

Model	Conveying Capacity		Material Hopper		Air Flow Rate		Compressed Air	Max. Conveying Distance		Conveying Pipe	Length of Suction Pipe		Dimensions (H x W x D)		Weight	
	(lb/hr)	(kg/hr)	(Gal)	(L)	(Gal/Hr)	(L/Hr)	(kgf/cm ²)	(inch)	(m)	(inch)	(inch)	(mm)	(inch)	(mm)	(lb)	(ikg)
VL-50	88	40	0.13	0.5	1585	6000	85 (6.0 kgf/cm ²)	236	6	1.25	35	900	15x5.7x5.9	380x145x150	10	4.5
VL-100	132	60	0.74	2.8	1585	6000		236	6	1.25	35	900	28.3x6.5x6.3	720x165x160	15	7

Note: 1. Conveying capacity test condition:
Plastic material: with bulk density 6.7 lb/gal (0.8 kg/L)
Diameter: 0.12~0.2 inch (3~5mm)
Vertical conveying height: 79 inch (2m)
Horizontal conveying distance: 39 inch (1m)
2. Power supply: 1Ø, 115/230V, 50/60 Hz.

We reserve the right to change specifications without prior notice.