Venturi Loader

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VL-100

Refer carefully to the manual before operation.

VL Series

Coding Principle

VL - xx

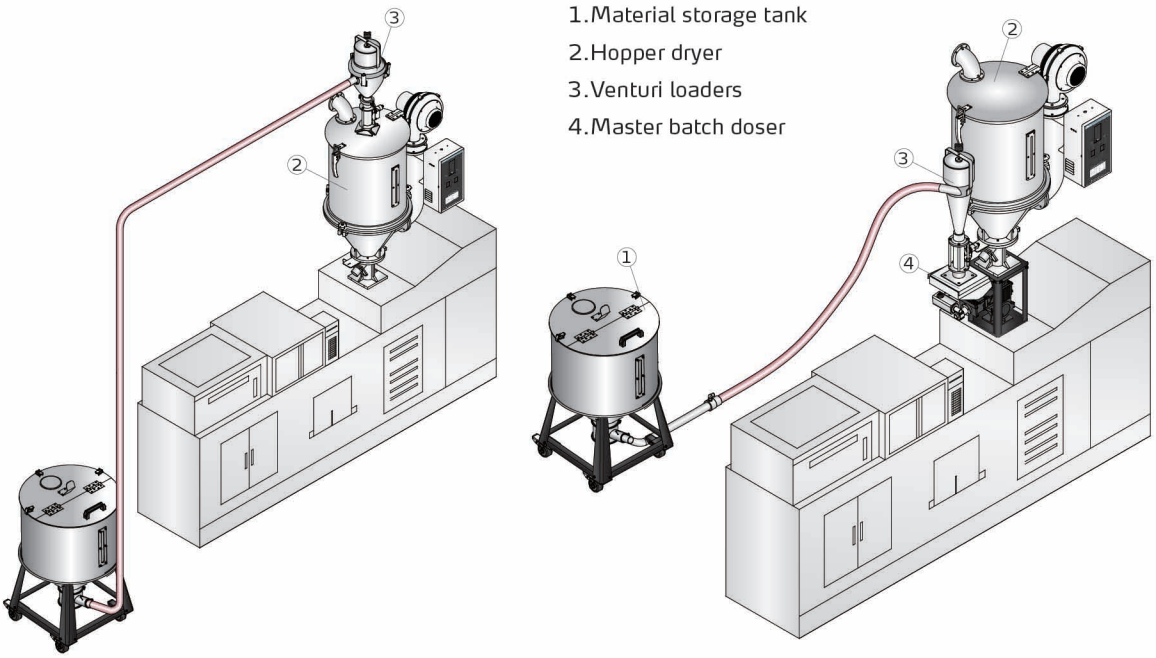
- xx → Model No.
- VL → Shini Venturi Loader

Features

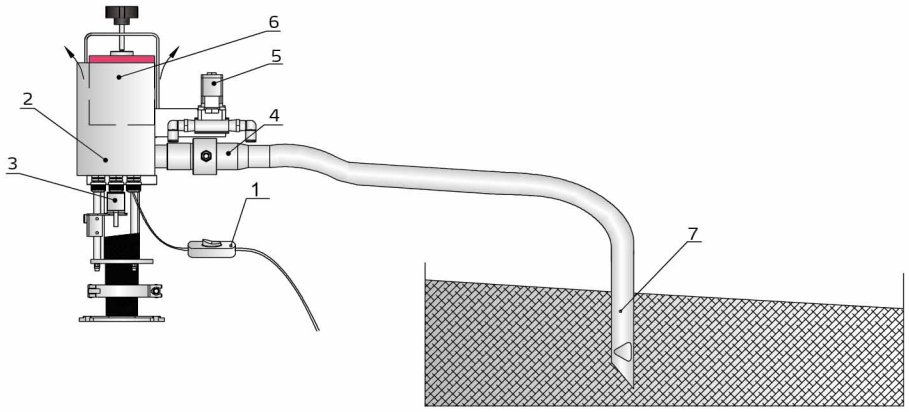
- Light-weight and compact design.
- Exhaust air filter to reduce dust output.
- Silent operation, it uses high-pressure air to convey materials.
- Capacitive sensor mounted on the glass-tube for accurate level monitoring.
- Easy access to material hopper for convenient cleaning.
- Equipped with an online switch, it's convenient to use the machine when it is installed in high places.

VL-50

Application



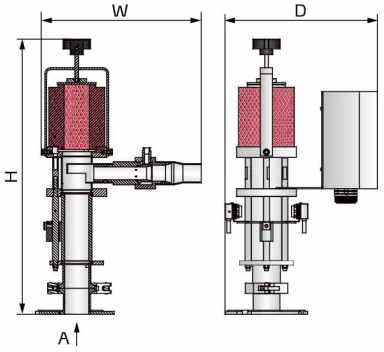
Working Principle



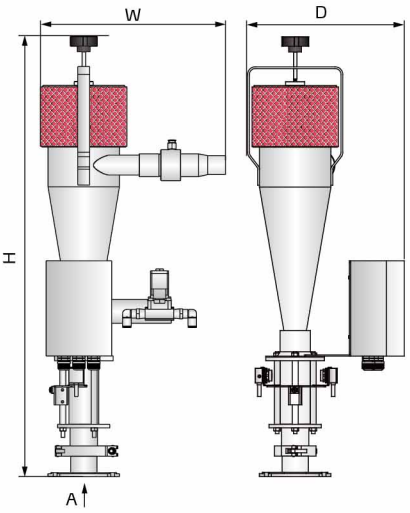
1.Online switch
2.Control box
3.Photosensor
4.Suction tube assembly
5.Solenoid valve
6.Filter
7.Galvanized iron material pipe

The Venturi Loader adopts the vacuum generated by the Venturi effect to drive the conveying of various materials, with a high air pressure of 6~8 kgf/cm^2. The Venturi effect's principle is that when the air blows over an obstruction, the air pressure around its upper port at the back side is relatively low, thus generating an adsorption effect and causing the airflow.

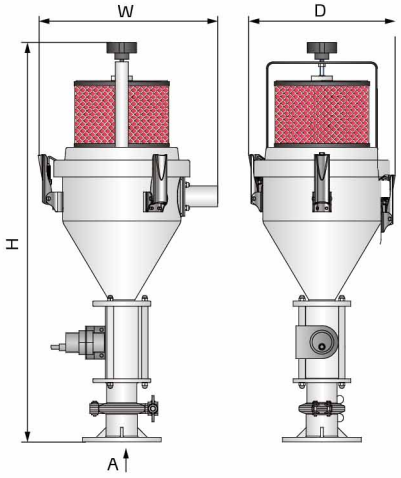
Outline Drawings



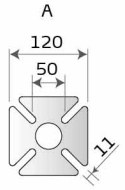
VL-50



VL-100



VL-120



Mounting base

Specifications

Model	Conveying Capacity (kg/hr)	Material Hopper (L)	Air Flow (L/hr)	Compressed Air (kgf/cm^2)	Max. conveying distance (m)	Conveying Pipe (inch)	Material pipe length (mm)	Dimension (mm) (H×W×D)	Weight(kg)
VL-50	40	0.5	6,000	6.0	6	1.25	900	447×271×251	6
VL-100	60	2.8	6,000	6.0	6	1.25	900	739×310×265	10
VL-120	80	3	6,000	6.0	6	1.25	900	630×280×240	7.5

Notes: 1) Test condition of conveying capacity: Plastic material of bulk density 0.8kg/L, dia. 3~5 mm, vertical conveying height: 2m, horizontal conveying distance: 1m.
2) Power supply 1Φ, 115/230V, 50/60Hz.

We reserve the right to change specifications without prior notice.