

VLP series loaders provide self-contained vacuum transfer of plastic powders and dusty regrind over moderate distances.

NOVATEC VLP Series powder vacuum loaders are extremely effective in conveying dusty regrind and powders like PVC that include blended amounts of titanium dioxide, calcium carbonate, etc. (They are not approved for conveying these additives alone.) The spun bond polyester filter elements are washable, allowing years of use with only simple cleaning and occasional washing and air drying.

- **Stainless Steel Modular Construction**

Stainless steel body provides a scratch-resistant interior and a durable NOVATEC silver painted exterior

- **Effectively Loads Powders Down to 1 Micron**

Durable PTFE coated spun bond polyester filter elements provide quick release of powders and are washable, allowing years of use – outperforming bag filters, reducing maintenance and increasing process machine uptime

- **Easy Access to Interior**

Lids are secured by quick-release, no-tools, band clamps for access to filters

- **Internal Material Deflector/Flapper Check Valve with Seal**

Ensures that blowback does not travel down the material line

- **Remote Mount Mini LOGO! Control**

Can be mounted up to 12' (3.6M) away

- **“No-Load” Alarm and Silence Button**

Takes the guesswork out of the loading process

- **Air Evacuation Sub-base**

This popular option should be used when the loader is mounted on hoppers or bins that are not already vented and filtered



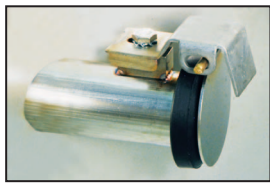
Plus:

- Automatic, pulsed blowback filter cleaning with accumulator
- 15' (4.5m) flex hose, clamps and 1.5" pickup wand included
- 115/1/50-60 operation (220/1/50 optional)
- 2-Year warranty (Excludes motor, brushes and filters)

Many popular features not found on other loaders

VLP-12 Powder Vacuum Loader

- 1 Reliable single phase motor.
- 2 Compressed air blowback after every loading cycle automatically provides complete, effective cleaning of PTF filter(s) .
- 3 Accumulator tank with compressed air filter, assures an increased volume of compressed air for filter blowback.
- 4 Heavy duty stainless steel construction.
- 5 Stainless steel band clamp with safety latch provides easy access (requires no tools).
- 6 Tangential 1.5" (3.8cm) inlet with articulated flapper minimizes material degradation.
- 7 Gasket between modular sections protects against loss of vacuum.
- 8 Hopper mounting flange.
- 9 Heavy duty full flow dump throat speeds operation.
- 10 Reliable "material-demand" switch located on discharge gate provides "Loader On" signal to controller..
- 11 Discharge gate is counter balanced to automatically return to closed position after resin evacuates the vacuum loader.
- 12 Custom molded neoprene gasket on dump throat assures tight seal and no loss of vacuum. Unique design keeps resin from contacting gasket surface.



Internal material deflector/flapper check valve with seal ensures that blowback does not travel down the material line



PTFE 1-micron filters are easily accessible. There are three filters in the VLP-38 and the VLP-12 and one in the VLP-5.

Package Features:

Standard VLP models include dump valve with integrated demand level switch and hopper mounting flange.

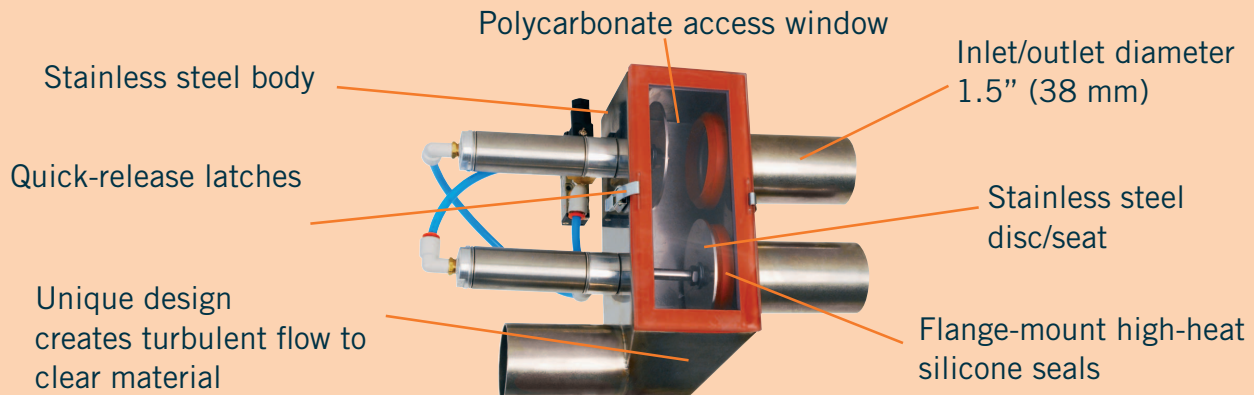
Machine Mount models include JIT Glass Hopper with height-adjustable photo eye demand switch and vacuum flapper. Add -MM to above model numbers.

VLP Accessory

External Proportioning Valve

External proportioning valve provides proportioning/layering of materials when used with VLP loaders. LOGO! Control is programmed for proportioning.

115V/1ph/50-60 Hz standard. Shipped with coupler, 15' of hose, clamps and pickup wand. Part # EPV-15T-12



One LOGO!™ Micro-PLC Control Does It All

Every model of NOVATEC's self-powered VL Series vacuum loader includes the compact LOGO! micro-PLC based control. This control includes complete programming and monitoring capabilities for load/unload cycles, adjustable filter cleaning pulses. When used with an external proportioning valve, the LOGO! controls proportional loading and layering of materials by time (up to 99 seconds). No-Load alarm horn with silencer button is provided as a standard feature.



No-load alarm horn and silencer button

No-Load Alarm Standard!

- This plug-in control can be remotely located at operator level and is wired for 115 VAC as standard
- Selection, programming, and editing of loader operating parameters are accomplished through a user-friendly interface
- Graphic faceplate shows parameter and value codes and provides step-by-step programming instructions
- The control receives a load-initiating signal from a dump throat mounted material demand switch
- LOGO! can be programmed to convey one material or for proportioning two materials when used with an external proportioning valve

Custom LOGO!™ Options:

- UL Listed LOGO!™ Controller
- 220/1/50 or 220/1/60 VAC

| | |
|------------------------|----------------------------|
| Inlet diameter: | 1.5" (3.8 mm O.D.) |
| Pulse Duration: | 500 milliseconds |
| Total Pulses: | Adjustable |
| Air Service: | 80 PSI (5.5 bars) required |

Specifications

| Model | VLP-5 / VLP-5-MM | | VLP-12 / VLP-12-MM | | VLP-19 / VLP-19-MM | | VLP-38 / VLP-38-MM | |
|---|----------------------|------------|----------------------|------------|----------------------|------------|----------------------|-------------|
| | U.S. | Metric | U.S. | Metric | U.S. | Metric | U.S. | Metric |
| Volume | 1/8 ft. ³ | 3.5 liters | 1/3 ft. ³ | 9 liters | 1/2 ft. ³ | 14 liters | 1.0 ft. ³ | 28 liters |
| *Resin Capacity | 5 lb. | 2.3 kg | 12 lb. | 6 kg | 19 lb. | 9 kg | 38 lb. | 17 kg |
| Discharge Diameter | 2 / 1.5 in. | 50 / 40 mm | 2 / 1.5 in. | 50 / 40 mm | 2 / 2 in. | 50 / 50 mm | 5 / 2 in. | 130 / 50 mm |
| **Recommended Throughput/hr. | 60 lb. | 27 kg | 120 lb. | 57 kg | 220 lb. | 100 kg | 320 lb. | 145 kg |
| †Maximum Conveying Distance | 50 ft. | 15 m | 50 ft. | 15 m | 50 ft. | 15 m | 50 ft. | 15 m |
| Load Time: (seconds) | up to 99 | | up to 99 | | up to 99 | | up to 99 | |
| Dump Time: (seconds) | up to 99 | | up to 99 | | up to 99 | | up to 99 | |
| Amps @115V | 8 | | 13 | | 13 | | 13 | |
| Compressed Air Usage .2 CFM (5.66 liters/min.) | All Models | | | | | | | |

*Resin capacity and throughput based on 38 lb./ft.³ bulk density. Adding external proportioning valve reduces throughput.

**Discharge diameter for all machine mount models is 2.25" (57 mm)

†Exceeding recommended throughputs may result in shortened brush and filter life however, increased throughputs are possible depending on resin and equivalent feet calculation. Generally, a central conveying system should be used for higher throughputs.

††Horizontal distance based on transporting virgin resin through tubing. Vertical travel, bends and flex hose will reduce conveying distance.

Specifications

Overall Dimensions and Weights (Standard Dump Throat Models)

| Model | A | | B | | C | | D | | Shipping Wgt. | |
|--------|-----|-----|-----|-----|-----|----|-----|----|---------------|-----|
| | in. | cm | in. | cm | in. | cm | in. | cm | lb. | kg |
| VLP-5 | 30 | 76 | 27 | 69 | 9 | 23 | 6 | 15 | 80 | 36 |
| VLP-12 | 40 | 102 | 35 | 89 | 11 | 28 | 10 | 25 | 120 | 55 |
| VLP-19 | 44 | 112 | 39 | 99 | 15 | 38 | 10 | 25 | 140 | 64 |
| VLP-38 | 61 | 155 | 52 | 132 | 17 | 43 | 16 | 41 | 220 | 100 |

Machine Mount Model Dimensions:

All models with standard 2 lb. capacity glass: Add 3" to "A" above.

VLP-12 & VLP-19 with Optional Glass Size (See P/L #303)

8 lb. capacity glass P/N VR-MM-8: Add 3.7" to "A" above

12 lb. capacity glass P/N VR-MM-12: Add 7.7" to "A" above

16 lb. capacity glass P/N VR-MM-16: Add 10.7" to "A" above

Options: (Show as separate line item. See price list #303).

| Model | VLP-5 VLP-5-MM | VLP-12 VLP-12-MM | VLP-19 VLP-19-MM | VLP-38 VLP-38-MM |
|---------------------------------------|-------------------|---------------------|---------------------|---------------------|
| 220/1/50 in lieu of 115/1/50-60 | VOLT-VL5-21 | VOLT-VL12-21 | VOLT-VL19-21 | VOLT-VL5-21 |
| Brushless Motor | MOTO-VL5-BR | MOTO-VL12-BR | MOTO-VL19-BR | MOTO-VL5-BR |

Accessories:

(Separate line item on order and shipped separately. See price list #303)

External proportioning valve with coupler, 15' of hose, clamps and pickup wand: Part # EPV-15T-12 (See page 76)

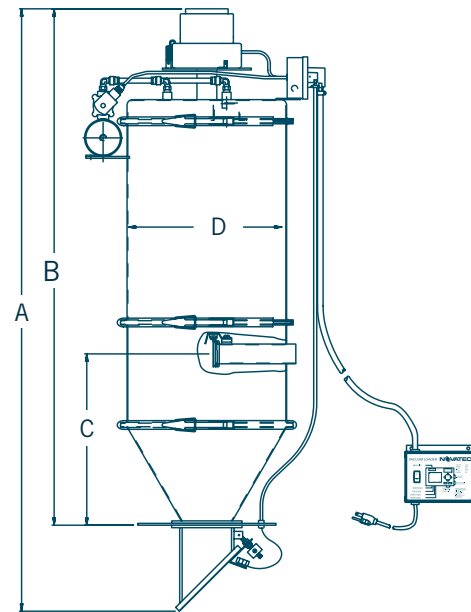
Air-evacuation filter sub-base:

Part # AFS12 for VLP-38

Part # AFS625 for VLP-19, VLP-12 & VLP-5

Remote Demand Sensor for Grinder Drawer 115 VAC:

Part # 09712

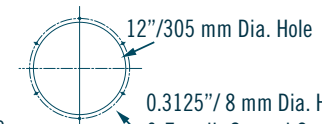


VLP-19, VLP-12, VLP-5
Mounting Pattern

VLP-38
Mounting Pattern



6.25"/159mm
Dia. Hole
0.3125"/8 mm Dia. Hole
- 4- Equally Spaced On A
6.875"/175 mm Dia. B.C.



12"/305 mm Dia. Hole
0.3125"/8 mm Dia. Hole
6- Equally Spaced On A
13"/330 mm Dia. B.C.

Custom Options:

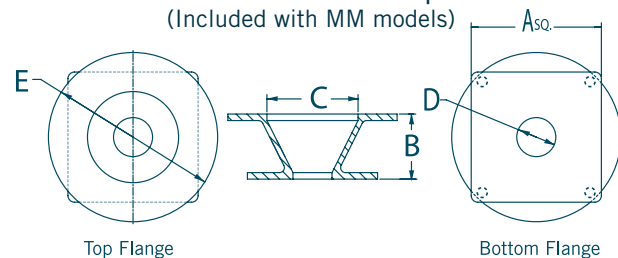
Pneumatic Discharge Slide Gate

Choice of Components for Wear Resistance:

- Thick-wall wear plates
- Ceramic coatings

Machine Mount Adapter

(Included with MM models)



Top Flange

Bottom Flange

Machine Mount Adapter Dimensions

| Model | Glass Size lb./kg | A | | B | | C | | D | | E | |
|-----------|----------------------|-----|------|-----|------|-----|------|-----|-----|------|------|
| | | in. | cm | in. | cm | in. | cm | in. | cm | in. | cm |
| VLP-5-MM | 2/1.9 | 5 | 12.7 | 2.5 | 6.4 | 3.5 | 8.9 | 1.5 | 3.8 | 6.5 | 16.5 |
| VLP-12-MM | 2/1.9 | 5 | 12.7 | 2.5 | 6.4 | 3.5 | 8.9 | 1.5 | 3.8 | 6.5 | 16.5 |
| VLP-19-MM | 5/2.3 | 6 | 15.2 | 5.7 | 14.6 | 8 | 20.3 | 2 | 5.1 | 11.5 | 29.2 |
| VLP-38-MM | 5/2.3 | 6 | 15.2 | 5.7 | 14.6 | 8 | 20.3 | 2 | 5.1 | 11.5 | 29.2 |

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