

### Reduce labor and resin waste with self-contained, ready-to-install, loading systems for pellets and regrind.

VL series loaders provide self-contained, vacuum transfer of plastic pellets and regrinds over moderate distances using powerful single-phase vacuum motors. Standard models are made for flange mounting to existing bins or hoppers. Machine Mount packages provide a quick-disconnect glass tube base with integrated vacuum flapper. A proportioning valve option may be easily added to any model.

- Stainless Steel Body**  
 Provides a scratch-resistant interior - Durable NOVATEC silver painted exterior.
- Remote-mount LOGO! Mini PLC Control**  
 Mounts up to 12' (3.6m) away.
- "No-Load" Alarm and Silencer Button**  
 Takes the guesswork out of the loading process.
- Modular Design**  
 Easy access for quick cleanout and material changeover.
- Automatic, Pulsed Blowback Filter Cleaning with Accumulator**  
 Powerful blowback reduces frequency of manual filter cleaning.

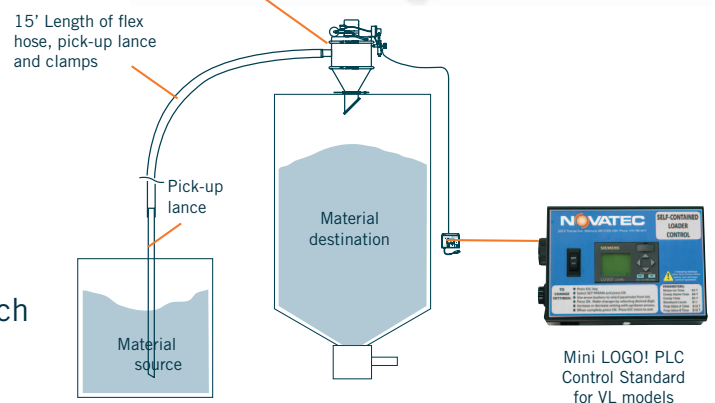


VL-3 shown

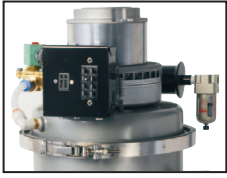
Vacuum Loader

#### Plus:

- 115V/1ph/50-60 Hz (230/1/50 optional)
- 15 ft. (4.6m) length of flex hose, pickup wand and hose clamps
- Reinforced polyester disc filter media
- All material contact points are non-ferrous
- Dump Valve with integrated demand level switch on standard models
- 2-Year warranty (Excludes motor, brushes and filter)



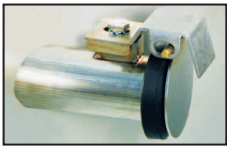
## Many popular features not found on other loaders



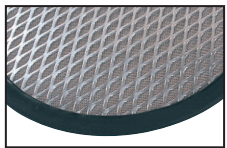
Heavy duty stainless steel construction.  
Stainless steel band clamp with safety latch provides easy access (requires no tools).



Custom molded neoprene gasket on full-flow 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



Expanded aluminum support extends life of durable polyester fines-filter.



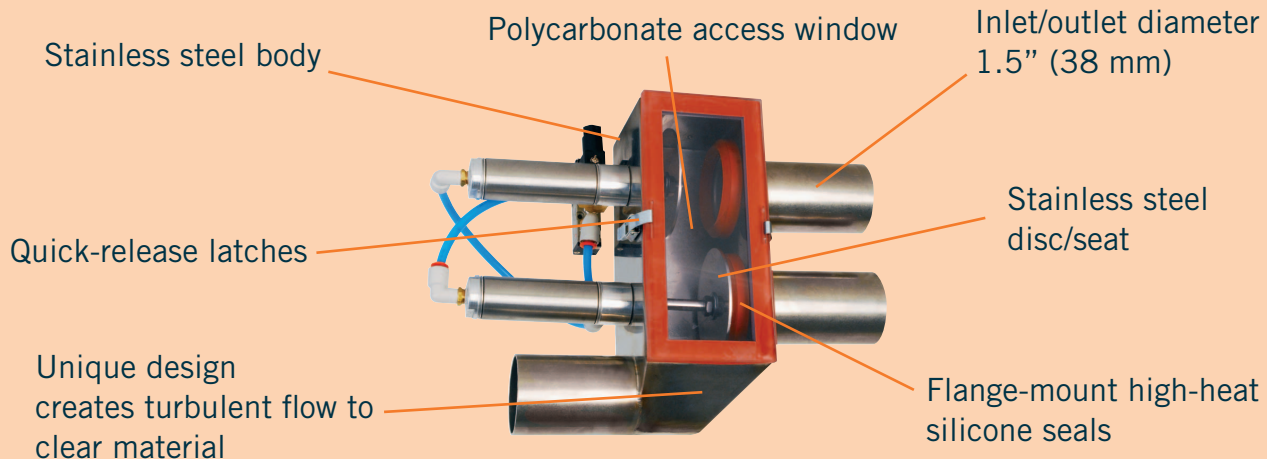
Machine mount models are supplied with a height-adjustable photo eye level sensor, base plate adapter, dump valve and quick disconnect clamps for easy clean out.

VL-5-MM

### Loader Accessory

## External Proportioning Valve

External proportioning valve provides proportioning/layering of materials when used with VL series loaders. LOGO! Control is programmed for proportioning. Shipped with coupler, 15' of hose, clamps and pickup wand. Part # EPV-15T-12



## One LOGO!™ Mini-PLC Control Does It All†

Every model of NOVATEC's self-powered VL Series vacuum loader includes the compact LOGO! mini-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
- The 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 demand switch
- LOGO! can be programmed to convey one material or for proportioning two materials when used with an external proportioning valve

## Specifications

Model	VL-5 / VL-5-MM		VL-12 / VL-12-MM		VL-19 / VL-19-MM		VL-38 / VL-38-MM	
	U.S.	Metric	U.S.	Metric	U.S.	Metric	U.S.	Metric
<b>Volume</b>	1/8 ft. <sup>3</sup>	3.5 liters	1/3 ft. <sup>3</sup>	9 liters	1/2 ft. <sup>3</sup>	14 liters	1.0 ft. <sup>3</sup>	28 liters
<b>*Resin Capacity</b>	5 lb.	2.3 kg	12 lb.	6 kg	19 lb.	9 kg	38 lb.	17 kg
<b>Discharge Diameter</b>	2 / 1.5 in.	50 / 38 mm	2 / 1.5 in.	50 / 38 mm	2 / 2in.	50 / 50 mm	5 / 2.25 in.	127/57mm
<b>**Recommended Throughput/hr.</b>	125 lb.	57 kg	250 lb.	114 kg	450 lb.	204 kg	650 lb.	295 kg
<b>†Maximum Conveying Distance</b>	50 ft.	15 m	50 ft.	15 m	50 ft.	15 m	50 ft.	15 m
<b>Load Time: (seconds)</b>	up to 99		up to 99		up to 99		up to 99	
<b>Dump Time: (seconds)</b>	up to 99		up to 99		up to 99		up to 99	
<b>Amps @115V</b>	8		13		13		13	
<b>Compressed Air Usage .2 CFM (5.66 liters/min.)</b>	All Models							

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

\*\*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.

NOTE: Maximum rate based on virgin pellets from close distance.

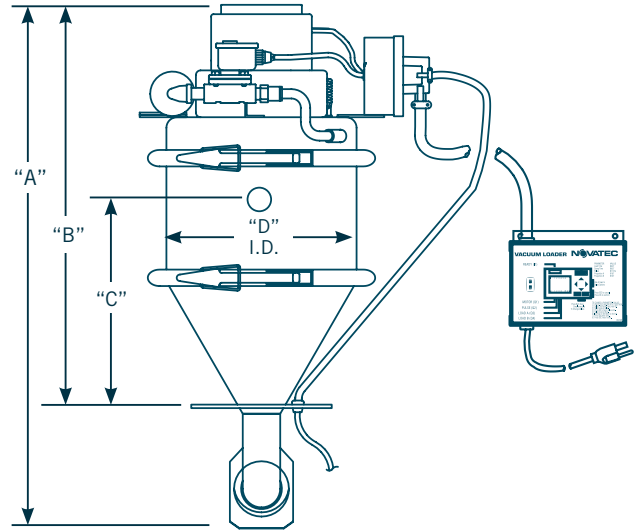
†Horizontal distance based on transporting virgin resin through tubing. Vertical travel, bends and flex hose will reduce conveying distance.

**Inlet diameter:** 1.5" (40 mm O.D.)  
**Pulse Duration:** 500 milliseconds  
**Total Pulses:** Adjustable  
**Air Service:** 80 PSI (5.5 bars) required

# Specifications

Standard Dump Throat Models										
Model	A		B		C		D		Shipping Weight	
	in.	cm	in.	cm	in.	cm	in.	cm	lb.	kg
VL-5	23	58	17	43	5	13	6	15	50	23
VL-12	28	71	22	56	11	28	10	25	60	27
VL-19	32	81	26	66	15	38	10	25	70	32
VL-38	38	97	29	74	17	43	16	41	80	36

**Machine Mount Model Dimensions:**  
 All models with standard 2 lb. capacity glass: Add 3" to "A" above.  
 VL-12 & VL-19 with Optional Glass Size (See P/L #300)  
 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:** See price list #300 (Show as separate line item on order)

Model	VL-5 VL-5-MM	VL-12 VL-12-MM	VL-19 VL-19-MM	VL-38 VL-38-MM
220/1/50 in lieu of 115/1/50-60	VOLT-VL5-21	VOLT-VL12-21	VOLT-VL19-21	VOLT-VL38-21
Brushless Motor	MOTO-VL5-BR	MOTO-VL12-BR	MOTO-VL19-BR	MOTO-VL38-BR

**Custom Drilling of MM Flange:** Part # CDB-VLMM  
 (Standard base flange is blank for customer drilling.)

**Accessories:** See price list #300  
 (Separate line item on order and shipped separately)

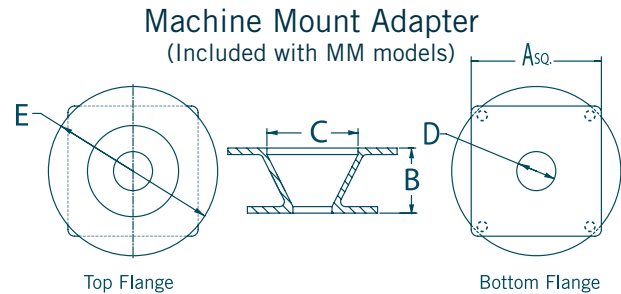
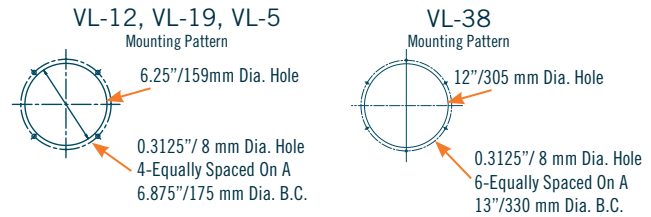
**External Proportioning Valve, 1.5" OD (3.6cm) with coupler, wand, hose & clamps:** Part # EPV-15T-11

**Remote Demand Sensor for Grinder Drawer 115 VAC:**  
 (Sends demand when covered) Part # 09712

**Alternate Glass Hopper Sizes for Existing VL-12-MM and VL-19-MM:** (In lieu of 2 lb.)

Field conversion kit includes base, glass, top adapter plate and discharge valve.

- 8 lb. Glass: Part # asVR-MM-8
- 12 lb. Glass: Part # asVR-MM-12
- 16 lb. Glass: Part # asVR-MM-16



Machine Mount Adapter Dimensions											
Model	Glass Size lb./kg	A		B		C		D		E	
		in.	cm	in.	cm	in.	cm	in.	cm	in.	cm
VL-5-MM	2/9	5	12.7	2.5	6.4	3.5	8.9	1.5	3.8	6.5	16.5
VL-12-MM	2/9	5	12.7	2.5	6.4	3.5	8.9	1.5	3.8	6.5	16.5
VL-19-MM	8/3.6	6.5	16.51	2.5	6.35	3.5	8.9	2.25	5.7	6.5	16.5
VL-38-MM	12/5.4	6.5	16.51	2.5	6.35	3.5	8.9	2.25	5.7	6.5	16.5