



# UVP Vacuum Pumps

UltraVac... a PowerGuard™ product from Novatec for high vacuum applications.

When you have reached the maximum operating vacuum of a conventional pump, the typical solution is to go to a larger line size, which reduces pressure drop. This increases Hp (energy usage) and when material lines have to be replaced with larger line sizes – you incur a considerable expense.

## The Non-traditional Solution to Old Conveying Problems

If you need to convey more resin over longer distances, replace traditional pumps with UltraVac without increasing line size.

## UltraVac Solves Typical Conveying Issues

- Plugged conveying lines
- Starved machines
- Insufficient throughput capacity
- System expansion

## Increase Throughput and Conveying Distance

- Longer conveying distances (1,000 equivalent feet or more)
- Convey to more destinations with one pump

## Electronic Motor Overload Protection

Phase loss protection, plus quicker trip speed vs. thermal O.L. provides superior motor protection.

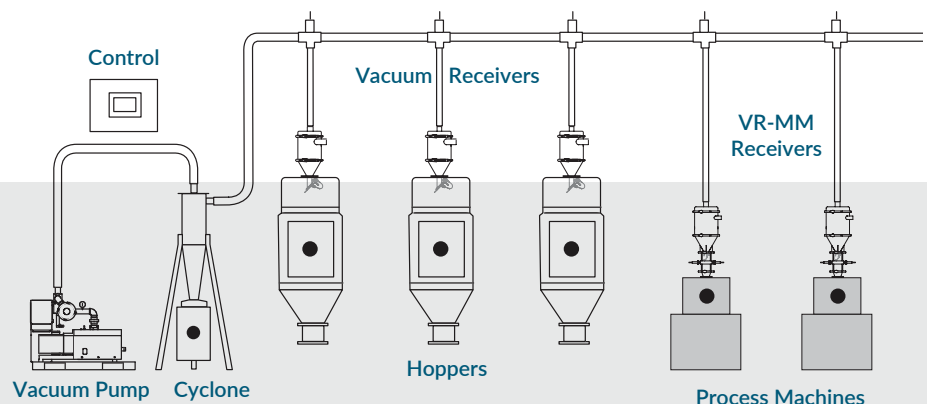


## Minimal Maintenance

- Change oil every 12 months
- Direct drive - no belts to maintain

### Plus

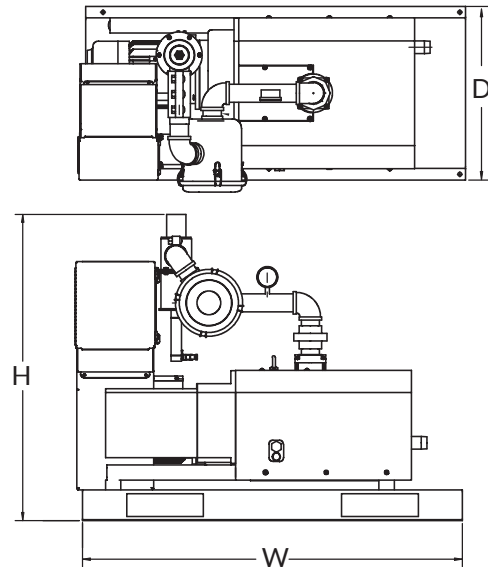
- › Vacuum breaker valve
- › Cartridge-type inlet filter
- › 460/3/60 Operation standard
- › 24 VDC Control voltage standard
- › Alternate voltages no charge
- › 1-Year warranty



## Specifications:

Model	UVP-6		UVP-10	
	in	cm	in	cm
Width	43	109	45	114
Height	39	99	40	102
Depth	23	58	23	58
Hp / kW	6.4Hp/4.8kW		10.7Hp/8kW	
Convey Line OD	2.0"/50mm		2.5"/65mm	
CFM / liters/min	135/3825		200/5665	
Hg Relief/bar	18"/.61		18"/.61	

**Basic Package Includes:** Pump with Starter Plus Disconnect (Power Isolation Switch, Contactor, Electronic Motor Overload, Circuit Breaker)



## Compare UltraVac to Conventional Pumps

### Regenerative Blower Pump

Designed for a maximum of 8 -11" Hg  
Least energy efficient

### Positive Displacement Pump

Designed for 11-12.5" Hg  
Typically rated for 14 -15" Hg  
Higher vacuum requires more Hp (energy) at high vacuum  
More noise at high vacuum  
Moderately energy efficient

### PowerGuard™ UltraVac Pump

Designed for 15 -16 " Hg  
Rated for 22-29" Hg  
Very energy efficient  
Uses 40-50% less energy than regenerative pumps  
Uses 10-20% less than positive displacement pumps depending on applications and conveying rates

**Options:** (Separate line item on order.)

**Alternate Control Voltages:** 115/1/60 VAC (No Charge)

**Alternate Power Voltages:** 460/3/60 (Standard)

575/3/60 Includes Fused Disconnect with Thermal Motor Overload Protection  
400/3/50 (No charge)

**DeviceNet Cable(s) for Pump:** In lieu of standard cable(s) (Available in 24 VDC only)