



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

UltraVac generates much higher vacuum levels than traditional pumps yet they are so efficient that energy usage is reduced by 20-50%. 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.

### Novatec's UltraVac...

#### the non-traditional solution to old conveying problems.

Now, when you need to convey more material over longer distances, simply 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.
- Lower energy consumption because of higher efficiency.

#### 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
- 2-Year warranty



#### Compare UltraVac to Conventional Pumps Regenerative Blower Pump:

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

#### Positive Displacement Pump:

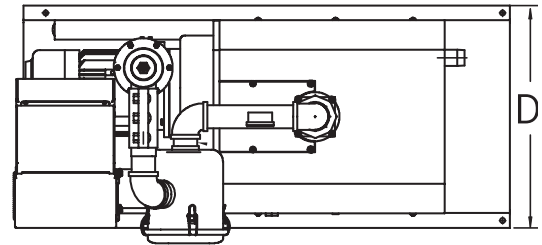
- Designed for 11-14" Hg.
- Typically rated for 14 -15" Hg.
- Higher vacuum requires more Hp (energy) at high vacuum.
- More noise at high vacuum.
- Moderately energy efficient.

#### 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 20-25% less than positive displacement pumps depending on applications and conveying rates.
- High efficiency means lower Hp required for a given conveying rate.

## Dimensions

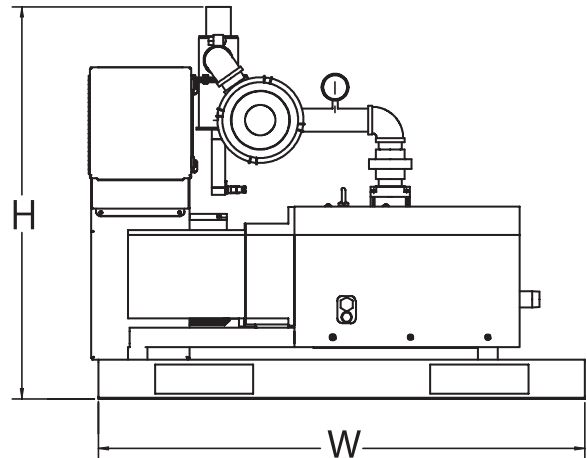
Model	UPV-6		UPV-9	
	in.	cm	in.	cm
Width	43	109	45	114
Height	39	99	40	102
Depth	23	58	23	58



## Specifications

(Check with factory for elevations above 3000 feet)

Model	UPV-6	UPV-9
Hp / kw	6.4Hp/4.8kw	8.7Hp/6.5kw
Convey Line OD	2.0"	2.5"
CFM	135	200
Hg Relief	18"	18"



Basic Packages	UVP-6	UVP-9
<b>Base Pump w/Starter</b> (Power isolation switch, contactor + motor O.L. protection)	UVP-6-46-24	UVP-9-46-24
<b>Alternate Package:</b> (In lieu of base pump with starter shown above) See price list #326		
<b>Pump w/ Starter + Disconnect</b> (Power isolation switch, contactor + motor O.L. & short circuit protection)	UVP-6-46-24-D	UVP-9-46-24-D

## Options:

### Alternate Voltage Part Numbers: Control Voltage Alternatives

#### UVP-Model-XX-YY

- 24 = 24 VDC (Standard)
- 11 = 115/1/60 VAC (No charge)

### Power Voltage Alternatives

- 46 = 460/3/60 (Standard)
- 57 = 575/3/60 (No charge)
- 40 = 400/3/50 (Power Disconnect Model Required)
- 20 = 200/3/50 (No charge)

**Example:** UVP-6-57-11-D is 6 hp, positive displacement pump with 575/3/60 power & 110 VAC control voltage, with starter disconnect.

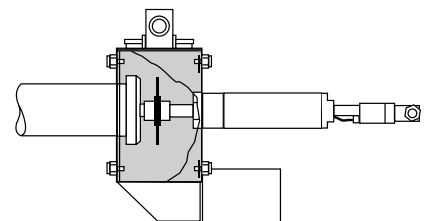
**DeviceNet Cable(s) for Pump:** In lieu of standard cable(s) (Available in 24 VDC only) Part # DNET-PUMP

**Accessories:** (Separate line item on order and shipped separately. See Price List 320).

### Discharge Selection Valve with Relief for Dry Air Conveying:

(with connection stub to pump)

For Line Diameter	DSR Part Number To Match 24VDC Control Voltage	DSR Part Number To match 115 /1/60 Control Voltage
2"	DSR-20-24	DSR-20-11
2.5"	DSR-25-24	DSR-25-11



**DeviceNet Cable(s):** in lieu of standard cables (24VDC only) Part # DNET-DIN

**Discharge Selection Valve with Relief**