

## Control Systems

Our lead control works with your computer or staged control, incrementally, or full open, full close, and our follower control mimics the lead control's actions

Our drive units set the standard for smooth operation and reliability.

- Thermal overload protection
- Automatic reset
- Continuous duty
- Quick-reversing
- Worm gear with tapered roller bearings on dual output shafts immersed in synthetic oil.
- Dual output shaft
- Sealed for life; limited or no maintenance required
- Superior heat dissipation through fin & casting design

### VC 100A Vent Drive Unit

- Gear motor: 1/20 HP - 115V; 60Hz; 0.68amps - TENV
- Ball bearing motor with copper windings - Class B insulation
- Gear reducer: total gear reduction 1900:1; 0.85 and 2.5 RPM final output
- Lifts up to 75' of 4' polycarbonate roof ridge vent or 125' of 4' polycarbonate side vent



### VC 2000 Vent Drive Unit

- Gear motor: 1/5 HP - 115V; 60Hz; 2.5 amps - TEFC
- Ball bearing motor with copper windings - Class B insulation
- Gear reducer: total reduction 1350:1; 1.2 and 3 RPM final output
- Output torque 1500 inch lb / 169 Nm
- Lifts up to 325' of 4' polycarbonate roof ridge vent or 400' of 4' polycarbonate side vent



# Vent Drive Units & Vent Controls

### LST Lead Control

- Incremental or full open, full close, depending on the greenhouse control
- Manual override toggle switches allow for manual operation
- Includes a transformer and relays



### 2R Follower Control

This vent control should be used in conjunction with a lead control.

- Manual override toggle switches all for manual operation
- Two relays, hence the name, 2R
- No transformer, receives power from Lead Control



### PowerRack Aluminum Rack & Pinion

- Zinc pinion gear with shoulders bear weight and extend gear life
- Lubricate annually with Magna Lube, White Lithium Grease or graphite spray lubricant to further extend life
- Wide housing allows for unavoidable movement in the vents
- Unique design prevents binding
- Easy alignment: racks work even when vent is not perfectly square
- Freedom from corrosion: aluminum arm & housing, stainless clevis & cotter pins, set screws, cast sash brackets; tough Nylatron bearings
- Precision-cut teeth on the PowerRack arms minimize sharp edges, assuring smooth operation
- Holes in the pinion housing are punched with a stamping tool to maintain exact spacing



### Vent Automation *Drive units have internal limit switches*

Drive Unit Model	Shaft Size OD	Catalog #
* VC 100 A/ILS	1-3/8"	29-40900
VC 100 A/ILS	1-5/8"	29-40910
* VC 2000/ILS (1.2 RPM)	1-3/8"	29-41200
VC 2000/ILS (1.2 RPM)	1-5/8"	29-41220
* VC 2000/ILS (3 RPM)	1-3/8"	29-41240
* VC 2000/ILS (3 RPM)	1-5/8"	29-41260

### Straight PowerRack Models

Length	1-3/8" OD Shaft		1-5/8" OD Shaft	
	1-3/8"	1-5/8"	1-3/8"	1-5/8"
18"	29-45750	29-45760	29-45640	29-45650
28"	29-45640	29-45650	29-45730	29-45740
36"	29-45730	29-45740	29-45710	29-45720
42"	29-45710	29-45720	29-45600	29-45620
48"	29-45600	29-45620	29-45660	29-45670
53"	29-45660	29-45670		

### Curved PowerRack Models

Length	1-3/8" OD Shaft		1-5/8" OD Shaft	
	1-3/8"	1-5/8"	1-3/8"	1-5/8"
28"	29-46100	29-46120	29-45900	29-45910
36"	29-45900	29-45910	29-46140	29-46160
42"	29-46140	29-46160	29-46180	29-46200
48"	29-46180	29-46200		

### Replacement Motor & Gear Box

VC100A ILS Gear Motor	29-43200
VC100A ILS Gear Box	29-43250
VC 2000 1.2 ILS Gear Motor	29-43270
VC 2000 1.2 ILS Gear Box	29-43290
VC 2000 3 ILS Gear Motor	29-43320
VC 2000 3 ILS Gear Box	29-43340

### Universal Shaft Hanger

1-3/8" Shaft	29-45780
1-5/8" Shaft	29-45790



### Aluminum Sash Brackets

PowerRack Sash Adapter	29-45800
PowerRack Sash Bracket	29-45810



ADAPTER



BRACKET

Optional Round & Square U-Bolts Available  
CALL FOR DETAILS



SHIPPED FOB: Colorado