



Fliteway Technologies, Inc.

Operations and Maintenance Manual

Q 12617 Rev 2

**Coranco Great Plains/
Blankenau Motors; Dodge, NE**

SVE: FV582X3-2M S/N 56492MB035336

Control Panel: S/N CPQ12617R2C035341

Trailer: S/N 812TRQ12617R2B035338

P.O. Box 108 - 6100 Industrial Court - Greendale, WI 53129

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- **SVE System rated for 21 SCFM at 160" WC. at 1,400 foot elevation
Fliteway FV582X3-2M with the following equipment**

- **5 HP Explosion Proof 230/460 3 Phase 3600 RPM motor**
- **Gardner Denver Sutorbilt model 2M positive displacement rotary lobe vacuum pump with Blower manufacturers 18 month uncontested warranty**
- **Fliteway "Cyclonic Action" 82 Gallon Vertical knockout tank, carbon steel with site gauge, 6" cleanout, and bottom drain.**
- **3" inlet, with vacuum gauge, and sample port.**
- **2" Premium 10 micron inline filter between tank and vacuum pump.**
- **Mini Magnahelic to monitor differential pressure across filter element.**
- **Two (2) 2" Premium carbon steel discharge silencer piped in series**
- **Vacuum relief valve on inlet side of pump, field adjustable**
- **2" Dilution valve with filter / silencer**
- **One (1) 2" Dwyer DS300 Flow Sensor with Magnahelic Gauge**
- **HHL Switch**
- **Low Flow Switch**
- **3" Inlet Manifold with two (2) 2" Ports**
 - **Two (2) 2" Gate Valves**
 - **Two (2) Sample Ports**
 - **Two (2) Vacuum Gauges**
 - **Two (2) 2" Rotron Direct Flow Meters (6-30 SCFM)**

**Notes: 1) Blower to have hood surrounding it with sound insulation
2) SVE Skid to be mounted on rubber isolation pads**

- **Explosion Proof Automatic Drain System**
 - **1/2 HP Explosion Proof Stainless Steel Centrifugal Pump**
 - **Two (2) Pump Control Switches**
 - **Discharge check valve and Two (2) pressure gauges**
 - **Cartridge Filter**
 - **One (1) Tetrasolve Liquid Phase Carbon Vessel**
- **NEMA 4 Control Panel (115/230 VAC Three Phase)**

Fliteway is the Rightway!

- NEMA 4 Box with inner panel
- Fused Disconnect
- Circuit breakers for branch circuit protection
 - Trailer Heater
 - Trailer Vent Fan
- Starters and overload protection for:
 - 20 HP SVE
 - ½ HP Transfer Pump
 - 1 HP Air Sparge
- Two (2) HOA switches
- One (1) Amp meter
- One (1) Hour meter
- Program Timer for SVE
- Run lights
- Two (2) Alarm Lights
 - SVE HHL
 - SVE Motor Fault
 - SVE Low Flow
- One (1) Warrick 67 Series Pump Control and
- On (1) Intrinsically Safe Switch Repeater
- **Sensaphone 2000** auto dialer with battery backup
- Surge Protection
- Lightning Protection
- Control Box heater with thermostat

- **Enclosed Trailer:**

**Pace American Model CS812TA2 Interior Dimensions: 8' wide by 12.5' Long by 6'5" Tall
Dual Axle 7,000 pound GVWR with 4,500 pound payload capacity**

- All Wheel Electric Brakes with 12 VDC Breakaway switch
- Independent torsion suspension
- Double Swing Rear Doors with Semi-Style Camlocks
- Clearance Lights
- Double Layer ¾" Plywood Floor
- 3/8" interior Plywood Walls
- Three (3) Year Trailer Warranty
- Two Floor Vents
- Front and Rear Stabilizer Jacks
- Spare Tire
- **1" Thermal Insulation inside interior walls**
- **1,800 Watt Explosion Proof Heater and Thermostat**
- **Hazardous Location TEFC Vent fan**
(To be located away from SVE Blower)
- **Gas Tight Light**
- Installation of all Equipment and manifolds per **Class 1 Div 2 Hazardous Location**
- **One (1) Layer of 2" Convuluted Polyester Noise Absorption Foam panels on interior walls and ceiling**
(Reduces exterior sound levels by about 10-12 dba.)