



**Fliteway Technologies, Inc.**

**Operations and Maintenance Manual**

**Q 12782 Rev 2**

**Coranco Great Plains, Inc.**

**Nite & Day, Columbus, NE**

**SVE: FV1082X3-EN858 S/N EN858J035427**

**Control Panel: S/N CPQ12782R2J035428**

**Trailer: 812TRQ12782R2J035429**

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

**(414) 423-5600 1-800-236-3580 FAX (414) 423-9007**



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Q12782 Rev 2

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- **SVE System**

**Fliteway FV1082X3-EN858** with the following equipment

- **Rotron EN858BD72WL Explosion Proof Regenerative Blower with 10 HP 230 / 460 VAC Three Phase Explosion Proof Motor**
  - **Fliteway "Cyclonic Action" 82 Gallon Vertical** knockout tank, carbon steel with site gauge, 6" cleanout, and bottom drain.
  - **4" inlet**, with vacuum gauge, and sample port.
  - **3" Premium 10 micron inline filter** between tank and vacuum pump.
  - **Mini Magnahelic** to monitor differential pressure across filter element.
  - **4" Premium carbon steel discharge silencer**
  - **Vacuum relief valve** on inlet side of pump, field adjustable
  - **2" Dilution valve** with filter / silencer
  - **Two (2) 4" Rotron FM40C450Q Direct Read Flow Meter (90-450 SCFM)**  
One on inlet, and one on discharge
  - **Temperature Gauges** on discharge
  - **HHL Switch**
  - **4" Low Flow Switch**
  
  - **4" Inlet Header with Ten (10) 2" Ports**
    - Ten (10) 2" Gate Valves
    - Ten (10) Sample Ports
    - Ten (10) Vacuum Gauges
    - Ten (10) 2" Rotron FM20C030Q Direct Flow Meters (6-30 SCFM)
    - Ten (10) Air Injection Assemblies
  
  - **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**
- **For Possible Future addition of Air Sparge System**
    - **Passive finned heat exchanger Tubes** mounted underneath Trailer

***Fliteway is the Rightway!***

- **NEMA 4 Control Panel (115/230 VAC Three Phase)**

- NEMA 4 Box with inner panel
- Fused Disconnect
- Circuit breakers for branch circuit protection
  - Trailer Heater
  - Trailer Vent Fan
- Starters and overload protection for:
  - 10 HP SVE
  - ½ HP Transfer Pump
  - Space for possible addition of 10 HP Air Sparge Motor
- Three (3) HOA switches
  - SVE
  - SVE Transfer Pump
  - Air Sparge (later addition)
- Two (2) Amp meter
- Two (2) Hour meters
  - SVE
  - Air Sparge (later addition)
- Program Timer for SVE
- Program Timer for Air Sparge
- Run lights
- Five (5) Alarm Lights
  - SVE HHL
  - SVE Motor Fault
  - SVE Low Flow
  - Air Sparge Motor Fault
  - Air Sparge High Discharge Temperature
- One (1) Warrick 67 Series Pump Control and
- Two (2) 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.)**

- **UL Inspection and Classification of Trailer and Systems for Class 1 Div 2, Hazardous Location before Shipment to NE.**



# Fliteway Technologies, Inc.

## SVE SYSTEM TEST RUN AND DATA SHEET

QUOTE NUMBER QI2782R2 DATE OCTOBER 9, 2003

CUSTOMER CORANCO

JOB NAME NITE & DAY, COLUMBUS, NE

UNIT MODEL NUMBER FVI082X3-EN858

UNIT SERIAL NUMBER EN858J035427

SET POINT CONDITION 98 WWC @ 20.8A

SITE POWER: 208 VOLTS, 60 HZ, 3 PH, 4 WIRE

### MOTOR

MFG. \_\_\_\_\_  
MODEL \_\_\_\_\_  
SERIAL NO. \_\_\_\_\_  
HP \_\_\_\_\_, RPM \_\_\_\_\_, FRAME \_\_\_\_\_  
PULLEY SIZE \_\_\_\_\_, BUSHING TYPE \_\_\_\_\_

### BLOWER

MFG. ROTRON  
MODEL EN858BD72WL  
SERIAL NO. F6306266123  
RPM 3525, REQ'D HP 10 HP  
PULLEY SIZE \_\_\_\_\_, BUSHING TYPE \_\_\_\_\_  
BELT \_\_\_\_\_

### INLET FILTER

MFG. FLITEWAY  
MODEL ILFV-3

### TEST DATA

ACTUAL BLOWER RPM'S \_\_\_\_\_  
MOTOR AMP DRAW @ \_\_\_\_\_  
SET POINT CONDITON \_\_\_\_\_

### TRANSFER PUMP

MFG. GOULD  
MODEL ISTIC7F4  
SERIAL NO. F87212073  
HP 1/2, RPM \_\_\_\_\_, FRAME \_\_\_\_\_  
VOLTAGE 208, PHASE 3Q



MOBILE UNIT FOR COMMERCIAL USE  
 IN ACCORDANCE WITH THE FOLLOWING CODES OR STANDARDS  
 IN COMPLIANCE WITH 2002 NEC

ISSUE NO. 1002

DATA PLATE

Fliteway Technologies, Inc.  
 6100 Industrial Court  
 Greendale, WI 53129

Serial Number - 812TRQ12782R2J035429

Wiring - Insulated conductors in IMC and EMT and Liquid Tight

Main Disconnect - 100 Amp, 208v 4 Wire AC

Quantity of Circuits Provided - 5

Factory Installed Appliances- 3

Appliance	Manufacture	Model Number
Motor	AMETEK	515556
Motor	GOULD	1ST1C7F4
Motor	BALDOR	M6002A

Field Completed Electrical Constructions Subject to Inspection by Local Authority-

1. Connection and bonding of electrical Service.
2. Working clearance at Industrial control panel.

The interior of this trailer is intended for use as a Class I, Division 2, Group D hazardous location and is not intended for storage.

For processing materials with ignition temperature not less than T2 (300C/572F) temperature code.

If ignition temperature of materials processed exceeds 80% of the fixture temperature rating, then fixture must be replaced with a UL Listed - Class I, Division 1, Group D fixture.

UNIT SERIAL NO. 812TRQ12782R2J035429

MANUFACTURED BY Fliteway Technologies, Inc.  
 6100 INDUSTRIAL COURT  
 GREENDALE, WI 53129



# BECKER

BECKER PUMPS CORP. • 100 East Ascot Lane • Cuyahoga Falls, Ohio 44223

February 24, 2010

*Approved in 2010.*

Quote # 10-10-013

Coranco Great Plains, Inc.  
141 W. 10th  
Wahoo, NE 68066

ATTN: Matthew Kralik

Dear Mr. Kralik,

Thank you for your request. We are pleased to provide the following quotation for the Becker KDT 3.100 pressure pump.

**Becker Model KDT 3.100 Rotary Vane Compressor Pump and Motor.**

Capacity: 69 SCFM open flow, Maximum Pressure 22 PSIG.

Description: Oil less rotary vane Compressor pump with carbon vanes, built-in suction filter, built in carbon dust filter, air cooled aftercooler, pressure regulating valve, and coupled to a 10 HP, 1750 RPM, 208/230/460 Volt, 3 Phase, 60 Hz., TEFC, motor.

Price \$ 5,773.00 + Freight

**Coranco Great Plains Price \$ 4,907.05 + Freight**

Prices are good for 30 days. Unit is currently in stock, subject to prior sale. All units are shipped FOB Cuyahoga Falls, Ohio collect. Terms are as attached. If you have any questions, feel free to call my office at (816) 436-3250.

Sincerely,  
BECKER PUMPS CORPORATION

Shawn Serrano  
Area Sales Manager