



Fliteway Technologies, Inc.

2129 East Birchwood Ave. • Cudahy, WI 53110
(414) 483-5600 • 1-800-236-3580 • FAX (414) 483-1957

Q13829

Geotechnical Services, Inc..

Trailer Mounted Remediation Trailer

- **SVE System #1 Rated for 200 SCFM at 50" WC**
Fliteway FV5.582X1-EN808 with the following equipment

- **Rotron EN808FL5MWL Explosion Proof Regenerative Blower with 5.5 HP 230 VAC Single Phase Explosion Proof Motor**
- Fliteway "Cyclonic Action" 82 Gallon Vertical knockout tank, carbon steel with site gauge, 6" cleanout, and bottom drain valve
- 4" inlet, with vacuum gauge, sample port, and Temperature Gauge.
- 2 1/2" Premium 10 micron inline filter between tank and vacuum pump.
- Mini Magnehelic to monitor differential pressure across filter element
- Dilution Valve with Filter / Silencer
- Vacuum relief valve on inlet side of pump, field adjustable
- Low Vacuum Switch
- Discharge Silencer, Pressure Gauge, Sample Port, and Temperature Gauge
- 2 1/2" High Discharge Stack with Rain Cap
- HHL Switch
- 4" Inlet Header with Eight (8) 2" Legs
 - Eight (8) 2" Gate Valves
 - Eight (8) 2" Averaging Pitot tube flow sensors with Magnehelic Gauges
 - Eight (8) Vacuum Gauges
 - Eight (8) Sample Ports

- **SVE System #2 Rated for 100 SCFM at 50" WC**
Fliteway FV382X1-EN656 with the following equipment

- **Rotron EN656M5XL Explosion Proof Regenerative Blower with 3 HP 230 VAC Single Phase Explosion Proof Motor**
- Fliteway "Cyclonic Action" 82 Gallon Vertical knockout tank, carbon steel with site gauge, 6" cleanout, and bottom drain valve
- 4" inlet, with vacuum gauge, sample port, and Temperature Gauge.
- 2" Premium 10 micron inline filter between tank and vacuum pump.
- Mini Magnehelic to monitor differential pressure across filter element
- Dilution Valve with Filter / Silencer

Fliteway is the Rightway!



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Trailer Mounted Remediation Trailer

- **SVE System #1 Rated for 200 SCFM at 50" WC**
Fliteway FV5.582X1-EN808 with the following equipment

- **Rotron EN808FL5MWL Explosion Proof Regenerative Blower with 5.5 HP 230 VAC Single Phase Explosion Proof Motor**
- Fliteway "Cyclonic Action" 82 Gallon Vertical knockout tank, carbon steel with site gauge, 6" cleanout, and bottom drain valve
- 4" inlet, with vacuum gauge, sample port, and Temperature Gauge.
- 2 1/2" Premium 10 micron inline filter between tank and vacuum pump.
- Mini Magnehelic to monitor differential pressure across filter element
- Dilution Valve with Filter / Silencer
- Vacuum relief valve on inlet side of pump, field adjustable
- Low Vacuum Switch
- Discharge Silencer, Pressure Gauge, Sample Port, and Temperature Gauge
- 2 1/2" High Discharge Stack with Rain Cap
- HHL Switch
- 4" Inlet Header with Eight (8) 2" Legs
 - Eight (8) 2" Gate Valves
 - Eight (8) 2" Averaging Pitot tube flow sensors with Magnehelic Gauges
 - Eight (8) Vacuum Gauges
 - Eight (8) Sample Ports

- **SVE System #2 Rated for 100 SCFM at 50" WC**
Fliteway FV382X1-EN656 with the following equipment

- **Rotron EN656M5XL Explosion Proof Regenerative Blower with 3 HP 230 VAC Single Phase Explosion Proof Motor**
- Fliteway "Cyclonic Action" 82 Gallon Vertical knockout tank, carbon steel with site gauge, 6" cleanout, and bottom drain valve
- 4" inlet, with vacuum gauge, sample port, and Temperature Gauge.
- 2" Premium 10 micron inline filter between tank and vacuum pump.
- Mini Magnehelic to monitor differential pressure across filter element
- Dilution Valve with Filter / Silencer

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- Vacuum relief valve on inlet side of pump, field adjustable
- Low Vacuum Switch
- Discharge Silencer, Pressure Gauge, Sample Port, and Temperature Gauge
- 2" High Discharge Stack with Rain Cap
- HHL Switch
- 4" Inlet Header with Three (3) 2" Legs
 - Three (3) 2" Gate Valves
 - Three (3) 2" Averaging Pitot tube flow sensors with Magnehelic Gauges
 - Three (3) Vacuum Gauges
 - Three (3) Sample Ports

- **Air Sparging System rated for 50 SCFM at 125" WC (4.32 PSIG)
Fliteway Model FS3X1-R33**

- 3 HP Explosion Proof 230 Single Phase motor
- Roots 33 URAI positive displacement rotary lobe vacuum pump with Blower manufacturers 18 month warranty
- 10 micron filter stubbed through trailer wall with rain cap
- Mini Magnehelic to monitor differential pressure across filter element
- Discharge Silencer
- Bleed Valve with Filter/Silencer
- Weighted Pressure relief valve on discharge side of pump.
- Discharge Check Valve
- Pressure Gauge
- Passive Finned Heat Exchanger mounted underneath Trailer
- Discharge Temperature Gauge
- 2" Steel Discharge Manifold with Five (5) 1" Legs:
 - Five (5) 1" Gate Valves
 - Five (5) 1" to 1/2" Reducers
 - Five (5) Dwyer RMC-121 Flow Meters
 - Five (5) 1" to 1/2" Reducers
 - Five (5) Pressure Gauges (0 to 30 PSI)

- **NEMA 4 Control Panel (100 Amp VAC 120-240 Single Phase)**

- Separate 100 Amp NEMA 4 Fused Disconnect
- 36" by 36" Lockable NEMA 4 Box with inner panel
- Circuit breakers for branch circuit protection
 - Trailer Heater
 - Trailer Vent Fan
 - Trailer Lights
- Starters and overload protection for:
 - 5.5 HP SVE
 - 3 HP Air Sparge Motor
 - 1/4 HP Vent Fan
- HOA switches
 - SVE
 - Air Sparge
- Two (2) Hour meters
 - SVE

- Air Sparge
- Run lights
- Alarm Lights
 - SVE HHL
 - SVE Motor Fault
 - Air Sparge Motor Fault
- One (1) Intrinsically Safe Switch Repeaters
- Surge Protection
- Lightning Protection
- UL

- **Enclosed Trailer:**

Pace American Journey Model 814TA2 Interior Dimensions: 8.5' wide by 16.5' Long by 6' 5" Tall Dual Axle 7,000 pound GVWR with 4,550 pound payload capacity

- All Wheel Electric Brakes with 12 VDC Breakaway switch
- Independent torsion suspension
- Double Swing Rear Doors with Semi-Style Cam locks
- Side Door
- Clearance Lights
- Stabilizer Jacks on four corners
- 3/4" Plywood Floor (painted)
- 3/8" interior Plywood Walls
- 1" Insulation in walls (R7)
- Three (3) Year Trailer Warranty
- Three (3) Hazardous Location Lights
- Hazardous Location Vent Fan with thermostat
- 1,800 Watt Explosion Proof Heater and Thermostat
- In Floor Inlet Vents
- NEMA 4 Control Panel mounted on outside of Enclosure, wired and tested
- Installation of all Equipment per Class 1, Div 2 Hazardous Location
- All influent, effluent, and drain lines plumbed to Trailer Exterior

- **One (1) Layer of 1 1/2" Convuluted Polyester Noise Absorption Foam panels on interior walls and ceiling**
(Reduces exterior sound levels by about 10-12 dba.)

- **Inspection and Classification of Trailer and Systems to meet NEC and UL Codes for Class 1, Div 2, Hazardous Location before shipment to NE**