



Fliteway Technologies, Inc.

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Q13272 Rev 2

MWH

Formal Coastal Mart Site # 1356

Wahoo, NE

- **Dual Phase Extraction System total rating 300 ACFM at 24" HG**
Two (2) Fliteway Model FV7.5X3-MM1252 each with:
 - **Two (2) 4" Inlet Ball Valves**
 - **Two (2) Bush MM1252 Rotary Claw**
 - **Two (2) 7.5 HP 208-230 / 460 Explosion Proof Motors**
 - Sound Cover
 - Built in exhaust silencer
 - Built in Vacuum regulating valve
 - Inlet and discharge sample ports
 - **Combined Discharge with**
 - Discharge Silencer, Temperature Gauge, Pressure Gauge, and Sample Port
 - Common adjustable Vacuum Relief Valve
 - Common adjustable High Vacuum Switch
 - Common Dilution line with silencer and gate valve
 - **Detachable Exhaust Stack extending 15' above Trailer roof**

- **DPE Knock out Tank System**
 - **External 4" Inlet Filter**
 - Mini Magnehelic to measure pressure drop across filter element
 - **Fliteway "Cyclonic Action" 117 Gallon Vertical knockout/demister tank,**
carbon steel with internal Demister, removable top cover, 6" cleanout, and bottom drain.
 - Explosion Proof High Liquid Level Shutdown Switch
 - High Vacuum Switch
 - Low Vacuum Switch
 - **Venturi Direct Read Flow Meter with 4-20 ma Transmitter installed**
after the inlet filter
 - Discharge Temperature, Pressure Gauge, and Sample Port
 - Automatic Drain Pump with:
 - 1 ½ HP Exp Progressive Cavity Pump (rated for 10 GPM at 20" HG)

Fliteway is the Rightway!

- Two (2) Exp Float Switches
- Inlet Ball valve, Check Valve and Wye Strainer
- 1 ½" Steel Piping with Discharge check valve, gate valve, sample port, pressure Gauge
- 1 ½" Steel bypass with ball valve
- 1 ½" Totalizing flow meter with pulse output

- 4" Inlet Manifold (stubbed through Front of the Trailer) Ball with Two (2) 4"

Legs:

LEG #1

- Six (6) 0-30" HG Vacuum Gauges
- Six (6) teed Sample Ports
- Six (6) 2" Steel Ball Valves
- Six (6) 2" Male Cam locks

LEG #2

- Six (6) 0-30" HG Vacuum Gauges
- Six (6) teed Sample Ports
- Six (6) 2" Steel Ball Valves
- Six (6) 2" Male Cam locks

All terminations to be through the front of the trailer

• **Oil Water Separator (Stainless Steel)**

HydroFlow ES-008 SS

- 20 GPM Flow Rating
- Elevated Stand
- Gravity Drain
- All Piping before OWS to be 1 ½" Steel
- All piping after OWS to be 1 ½" Schedule 80 PVC
- **Two (2) Steel Vents one 2" for normal and one 4" emergency vent with steel relief valve. (12' above Ground Level for Normal Vent)**

- 200 Gallon Surge Tank with
- 1/2 HP Exp Transfer Pump and Control Switches
- HHL Switch

- 60 Gallon Double Wall Steel Product Tank with Secondary Containment (UL142/ NFPA30)

- Product Tank HL and HHL
- Secondary containment with HHL
- **Two (2) Steel Vents one 2" for normal and one 4" emergency vent with steel relief valve. (12' above Ground Level for Normal Vent)**
- **Installed inside of trailer**

• **QED EZ Stacker Low Profile Air Stripper (Polyethylene) Model EZ 2.4P**

- Four (4) Molded Polyethylene Trays

- 2 HP New York Blower (Three Phase) ducted to pull from outside.
- Sump High-high level switch
- High / Low Pressure Switch
- Interconnect piping
- Two (2) Sample Ports
- **Air Stripper Transfer pump**
 - 1/2 HP Exp Centrifugal Pump
 - Two (2) Pump control switches
 - Discharge ball and check valves, pressure gauge
 - Discharge Sample port
 - Inlet and Discharge unions to facilitate pump removal
 - 1" Totalizing Flow Meter with Pulse Transmitter
 - Siphon Break
- 1 1/2" Steel By Pass Line with gate valve

- **RKI LEL Monitor**

- **NEMA 4 Control Panel (120/208 VAC 4 wire Y configuration) - Mounted and Tested)**

- Separate NEMA Fused Disconnect
- Lockable NEMA 4 Box with inner panel
- Variable Frequency Drive to operate as soft start for one of the 5 HP Rotary Claw
- Starters and overload protection for:
 - 5 HP DPE Motor
 - 1 1/2 HP DPE Transfer Pump
 - 1/2 HP Surge Tank Transfer Pump
 - 3 HP Air Stripper
 - 1/2 HP Air Stripper Transfer Pump
 - 1/4 HP Vent Fan
- Six (6) Illuminated HOA switches
 - DPE Motor #1
 - DPE Motor #2
 - DPE Transfer Pump
 - Surge Tank Transfer Pump
 - Air Stripper
 - Air Stripper Transfer Pump
- Three (3) Hour Meters
- Six (6) Dual Intrinsically Safe Switch Repeaters
- Three (3) Intrinsically Safe Pump Controllers
- Transformer
- Thirteen (13) Red alarm lights
 - DPE#1 Motor Fault
 - DPE #2 Motor Fault
 - DPE High Vacuum
 - DPE Low Vacuum
 - DPE HHL
 - Oil Water Separator HHL
 - Surge Tank HHL

- Product Tank HL and HHL
- Air Stripper Motor Fault
- Air Stripper HHL
- Air Stripper High Pressure
- Air Stripper Low Pressure
- LEL
- **Remote E Stop (Inside Trailer) with reset on CP**
- **Mission M110 Cellular Monitoring RTU**
 - DPE Header Vacuum
 - DPE Header Air Flow
 - Total Effluent Water Flow
- **Smart Relay**
 - Programming by Fliteway Technologies
 - Surge Protection
 - Phase Monitor
 - Lightning Protection
 - GFI Receptacle
 - UL Certification

- **Enclosed Trailer (Estimated weight of equipment is about 5,000 lbs)
CargoMate Model CM822TA3**

- **9,950 LB GVW rating, 6,750 payload capacity**
- **7' 6" Interior width, 22' 5" Interior length, 6'5" Interior height.**
- **Additional 1 foot interior height for total of 7'5" interior height (required for Air Stripper)**
- Interior Walls and Ceiling 3/8" Plywood (painted)
- 1" Thermal Insulation in Trailer walls
- Thermal insulation underneath floor skinned in galvanized
- Floor is Two (2) Layers of 3/4" Plywood (painted)
- Electric brakes
- One 32" lockable side door
- One lockable double rear door.
- Two (2) Explosion Proof lights
- Explosion proof vent fan with downward directed inlet cowl
- 3,600 Watt Explosion Proof Heater and Thermostat
- Vent louvers on both sides
- Wiring Harness and Trailer Lights.
- Plug in wiring harness from trailer to vehicle
- Breakaway battery switch with LED charge indicator
- Front and rear jack stands
- **All Equipment and Interior Wiring per Class 1, Div 2 Hazardous Location**
- **Product Piping and emergency relief vents to meet NFPA 30**
- **DPE System Installed**
- **OW Separator Installed**
- **Air Stripper Installed**

- **1 ½” Acoustical Foam Panels on Trailer Interior walls**
(Reduces external noise level by about 10-12 dba)
- **Exhaust Stack to extend 15’ above trailer (to be supported by guy wires anchored to trailer)**

- **One (1) Days On Site Startup Assistance by Fliteway Engineer**
- **Cellular service**
 - 1 year cellular service contract
- **UL Inspection and Classification of Trailer and Contents with S/N before Shipment to meet Class 1, Div 2, Hazardous Location**