

Piped in parallel, to include:

- (2) 2" check valves
- (2) 2" brass ball valves for isolation
- (1) Discharge temp gage (0-250 deg F)
- (1) 2" pitot tube on common blower exhaust with magnehelic gage (0-20"WC)

(Lot) Mounting, piping and wiring of ½ hp single phase end suction centrifugal pump and flow meter
Includes check valve, throttle valve, sample port and pressure gage on pump discharge
¾" water flow totalizer on pump discharge

(Lot) Used SVE components

- (1) Rotron EN404 SVE blower 1hp, 115/230V, 12/6A, 1 phase, Model EN404AR58ML, P/N 038173
s/n FE37930, with Doerr Electric EXP motor
- (1) Price transfer pump 1/2hp, 115/230V, 1 phase, Model CD100BF (series)-350(imp dia)-6A212(seal config)-050(HP)-36(rpm)-1X6, s/n 99121791720-01
- (1) Badger meter ¾" RecordAll Model 35 (initial reading 226,949.8 gal)
- (1) Fostoria Model FEP18241R EXP, 1800 watt, 240V, 7.5A, 1 phase building heater
- (1) New York Blower Model 142N 1/4hp, 115/230V, 4.4/2.2A (wired for 115V), 1 phase, EXP exhaust fan and thermostat (shop#U01175100)
- (2) Incandescent EXP light and EXP light switch
- (1) 1 ½" Threaded bleed inlet filter (teed off of manifold with 2" valve and piped to inlet louver area)

Note the above equipment was supplied by Terracon

Controls

(1) Control System

For operation on 220 VAC, 1Ø, 3 wire incoming electrical service. To control 2HP single phase SVE blower, 1 HP single phase SVE blower, and ½ HP transfer pump. Furnished mounted and wired on the trailer exterior wall. To include:

QTY DESCRIPTION

- 1 Enclosure, NEMA 4, 36"h, 36"w, 12"d with inner door for switches and indicators
- 1 Motor starter: Contactor 23A FLA (Telemecanique LC1D25)/Overload relay 5.5-8A, 1Ø; SVE blower (1hp SVE1)
- 1 Motor starter: Contactor 23A FLA (Telemecanique LC1D25)/Overload relay 9-13A, 1Ø; SVE blower (2hp SVE2)
- 1 Motor starter: Contactor 23A FLA (Telemecanique LC1D25)/Overload relay 4-6A, 1Ø; transfer pump
- 1 Panel board 220VAC 1phase in NEMA 3R enclosure mounted next to control panel, includes:
 - 1 Circuit breaker 230V 2P100A: main disconnect
 - 3 Circuit breaker 230V 1P15A 10K; vent fan, lighting, control power
 - 1 Circuit breaker 230V 2P15A 10K; heater
 - 1 Circuit breaker 230V 1P20A 10K; receptacle(s)
 - 2 Circuit breaker 230V 2P15A 10K; SVE (1hp), transfer pump
 - 1 Circuit breaker 230V 2P20A 10K; SVE (2hp)
- 1 EOS Research ProControl Series 2+, Type B2 programmable controller/telemetry unit with 10 AI, 22 DI, 14 RO, 5 AO and ProView software. Programmed for manual reset after power failure.
- 3 Switch; three position; Hand-Off-Auto with integral Run (green/LED) indication
- 1 Light (red/LED); alarms
- 1 Pushbutton (red/NO); alarm Reset
- 2 Intrinsically safe barriers, discrete , 2 channel
- 3 Motor run time meters
- Engraved laminated legends for all door mounted devices
- Terminal blocks for external connections and fusing as required
- Color-coded wiring with wire markers at all terminations
- Fully documented, assembled, wired, programmed and pre-shipment test
- 1 UL 698A serialized label
- 1 GFIC 20A outlet with and weatherproof cover; mounted adjacent to control panel

Trailer

(1) Trailer enclosure system, 8' wide x 12' long x 6.5' high

6" steel I beam frame
Plywood floor decking, aluminum & fiberglass exterior
R-5 fiberglass wall and ceiling insulation with plywood interior
Tandem 3,500 lb axles, 7,000lb GVWR, radial tires
Double rear doors with cam lock
2 5/16 " coupler with jack stand
(2) scissor jack, frame mounted on rear
Electric brakes, ICC lighting

(Lot) Trailer install vent /heat components, equipment piping, install and wiring, to include:

(Lot) Mount and wire explosion proof electric convection heater & thermostat supplied by others
(Lot) Mount and wire explosion proof light with vapor globe and wall switch supplied by others
(Lot) Mount and wire explosion proof vent fan & thermostat supplied by others
H2K will provide inlet & outlet louvers

Includes equipment installation and wiring

SVE system will be installed, piped and wired in trailer, control panel will be mounted and wired on outside of trailer. Piping will be schedule 40 galvanized for SVE discharge, Schedule 80 PVC for SVE inlet. Wiring will be per NEC for Class I, Div 2 Group D hazardous environment inside trailer, outside trailer shall be considered non-classified beyond 3' from any opening.