

ShallowTray® Low Profile Air Stripper Specification Sheet - Stainless Steel Systems

Description	Low Profile Air Stripping Tower/Shallow Tray Unit
Manufacturer	North East Environmental Products, Inc. (NEEP)
Manufacture Date	2003
Model #	41251
Condition	good
Serial Number/VIN	41251-05-5800
Registration Number	n/a
Quantity	1

II. Design Criteria

Design Water Flow Rate 65 gpm
 Maximum Water Flow Rate 200 gpm, which is considered a Low Water Flow Design, or a High Water Flow Design, and is based on the blower model selection.
 Weir Height 4" Inlet, 2" Outlet
 Equipment Power Requirements 3 ∅, 208 volts, 60 Hz

INSTALL ALL EQUIPMENT PER APPLICABLE NATIONAL AND LOCAL CODES. CUSTOMER TO PROTECT EXPLOSION-PROOF MOTORS FROM RAIN.

III. Basic System Components

CAUTION: MAXIMUM PRESSURE OR VACUUM ACROSS STAINLESS STEEL SYSTEM = 32" WC

Sump Tank, Cover 304L stainless steel 316L stainless steel
 5 Aeration Trays (quantity) 304L stainless steel 316L stainless steel
 Latches 304L stainless steel
 Main Blower (with inlet screen and damper) American Fan Model # BC-6-08-26B
 Minimum Required Blower Performance 2400 cfm @ 22 "wc Blower P/N 500-100-00911
25 hp, 3 ∅, 208 volts, 3450 rpm Coupling P/N _____
60 Hz, TEFC or EXP Riser P/N _____
8" Blower Inlet Size, 8" Blower Outlet Size
 Blower on Inlet (Pressure system) 22 "wc Main Blower Sized For:
 Blower on Outlet (Vacuum system) 22 "wc required for ShallowTray Air Stripper
 Blowers on In & Out (Combo system) 0 "wc additional available for airstream equipment
 Demister Pad Koch style 4310, 4" thick, 304 ss
 Spray Nozzle Hollow cone, 90° pattern, sized for 15 psi, brass
 Sight Tube Brass, Nalgene tubing
 Aeration Tray Gaskets High density nitrile sponge rubber
 Inlet Piping Connection Schedule 80 PVC, Brass
 Blower and Vent Line Connections Flexible rubber couplings

IV. Optional Equipment

Frame

Air Pressure Gauge (0 - 30 "wc)

Gravity Discharge Riser

Additional Blower
(with inlet screen and damper)
Required Performance

Feed Pump

Required Performance

Discharge Pump

Required Performance

Main Disconnect Switch

Control Panel

Control Panel w/ Pump Level Control

PurgePanel™

Autodialer

Control Circuit Transformer

Intrinsically-Safe Relay

Intermittent Operation

Auto Operation

Well Probes

Blower Start/Stop Switch

Power Lapse Indicator

Individual Alarm Light

Strobe Alarm Light

Alarm Horn

Low Air Press. Vacuum Switch

High Air Press. Vacuum Switch

Low Water Level Alarm Float Switch

High Water Level Alarm Float Switch

Discharge Pump Float Switch

Water Flow Meter

Air Flow Meter

Water Press. Gauge, inlet, outlet

Water Temp. Gauge, inlet, outlet

Line Sampling Port, inlet, outlet

Air Blower Silencer

Washer Wand

Viewport Set - 5 4"Ø, 1 8"Ø

3 in. and 4 in. welded steel, C-Channel

Dwyer Magnehelic 2000 series

PVC 80 Piping, with vacuum relief valve

_____ Fan Model # _____

_____ cfm @ _____ " wc
_____ hp, _____ Ø, _____ volts, _____ rpm, _____ Hz, _____ Blower P/N
_____ TEFC or _____ EXP

_____ "Blower Inlet Size, _____ "Blower Outlet Size

_____ Pump Model # _____

_____ gpm @ _____ ' TDH Feed Pump P/N _____

_____ hp, _____ Ø, _____ volts, _____ rpm, _____ Hz, _____ TEFC or _____ EXP

Port Sizes: _____ inch inlet, _____ inch outlet. Impellor Size _____ inches

Mepco _____ Pump Model # **R6-**

65 gpm @ **100** ' TDH Discharge Pump P/N _____

7.5 hp, **3** Ø, **208** volts, **3450** rpm, **60** Hz, TEFC or _____ EXP

Port Sizes: _____ inch inlet, _____ inch outlet. Impellor Size _____ inches

Integral with electrical enclosure, rotary style

Motor starters, system alarm interlock circuit, operator switches, alarm light,
NEMA _____ Enclosure, _____ Amps, _____ Ø, _____ Volts, _____ Hz, _____ wire and ground

Motor starters, system alarm interlock circuit, pump level control circuit, operator switches, alarm light,
NEMA **4** Enclosure, **175** Amps, **3** Ø, **208** Volts, **60** Hz, **4** wire and ground

NEMA 7 Main Disconnect switch, NEMA 4 enclosure, air pressure gauge,
Low air pressure switch, Blower (100 cfm @ 2" w.c.)

Manufacturer **Sensaphone Scada 300**

_____ :120vac

_____ Pepperl+Fuchs, WE77/Ex2-UL repeater relay Dual Channel, SPDT relay output
_____ Warrick 27A1E0 latching relay Single Channel, SPDT relay output

Blower time-delay circuit added to panel design. Blower shuts off 5 minutes after inlet water flow stops.

of wells _____

Warrick, series 3W

Local blower switch mounted near blower

Black-out / Brown-out indicating light, switch and circuit added to panel design

Light and relay circuit added to panel design

_____ Red, _____ Blue, Federal Signal, NEMA 4, UL listed

Federal Signal

Dwyer 1950-1, preset at 1.6" wc (range=0.3"wc to 1.6" wc), Explosion-proof

Dwyer 1950, _____ "wc to _____ "wc, Explosion-proof

Mechanical, SJ Electro, (qty) 1 N.O., (qty) _____ N.C.

Mechanical, SJ Electro, (qty) _____ N.O., (qty) 1 N.C.

Mechanical, SJ Electro, (qty) _____ N.O., (qty) _____ N.C.

Manufacturer _____

Dwyer 2000-0 meter, single-point insertion pitot tube, mounting kit

Dial gauge, liquid-filled

Dial gauge

Schedule 80 PVC

Manufacturer **Clevaflex**

Nozzle, Elbow, 1/4" steel pipe

Lexan viewports with rubber coupling