

# 25 Yd. Vacuum Dewatering Box

Model / Make: 25 YD VAC DEWTR / Modern

## Product Description

These vacuum-rated containers can be used to dewater solid sludges. They use a disposable filter cloth to enhance dewatering efficiency. The box can be cleaned without removing any components or filter panels because of the space between the screen supports and box walls.

## Technical Data

### Weights and Measures

Capacity	25 cubic yards
Height	6' - 9" ( <i>grade to top of domed lid</i> )
Width	8' - 0" ( <i>between extremes</i> )
Length	21' - 2" ( <i>between extremes</i> )
Weight	14,000 lbs ( <i>empty</i> )
Dewatering Surface Area	152 ft <sup>2</sup> ( <i>approx.</i> )

### Structural Design

Shell, Bottom Half	¼" steel plate
Shell, Top Half	¼" steel plate
Main Rails	2" x 6" x ¼" rectangular tubing
Door Sheet	¼" steel plate
Vacuum Rating	30" hg
Pressure Rating	Full depth static pressure

### Features

Top Manway	1 - 21" dome with wing nuts
Manway Seals	Neoprene
Wheels	Front wheels 2" higher than rear wheels
Nose Rollers	2 - 4" diameter x 6" long
Hinges	1" diameter pins on right side of door
Locking Mechanism	Vertical latch with four independent ratchet binder sealing system
Ladder	One located at center on driver side

### Features - cont.

Ports	Door: 1-8" flange, 1-4" flanged drain, 2-3" nipples capped & chained Front: 1-8" flange, 1-4" flange, 2-6" nipples (washouts) capped & chained
Deflectors	None
Door Gasket	Extruded neoprene
Filter Basket	Perforated plate floor with expanded metal sides and front door panels ( <i>coated w/ Phenoline 309</i> )
Filter Media	150-micron filter cloth ( <i>consumable</i> ), non-woven polypropylene, or a 30x40 mesh woven polypropylene custom sewn to fit contour of box.

### Surface Details

Exterior Coating	High gloss polyurethane
Interior Lining	None
Placard Mounts	Four – one on each side and each end

### Wetted Materials *for material compatibility check*

Carbon Steel*	Shell and door sheet
Neoprene	Manway gasket & door gasket

\*Theoretically if the rolloff has an interior liner, no carbon steel should be exposed to the product. However, if there are areas of thin or missing liner, bare carbon steel will be exposed. It is always a good idea to check compatibility of carbon steel even if the interior is lined.



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