

PRODUCT DATA SHEET

August, 1999

**SPECTRUM DEWATERING BOX
(PHASE SEPARATOR)**

GENERAL INFORMATION

These boxes are manufactured by Spectrum Environmental. They use a disposable filter media (filter cloth) which enhances dewatering efficiency. Box can be cleaned without removing any components or filter panels due to the space between the support screens and walls/floor. The Turbo Model increases surface area approximately 35%, which decreases dewatering time significantly.

WEIGHTS AND MEASURES

➤ Capacity:	.....	20 yd ³ : 16 yd ³ filled to top 30 yd ³ : 26 yd ³ filled to top
➤ Height:	.....	20 yd ³ : 5'-2" 30 yd ³ : 7'-2"
➤ Width:	.....	20 yd ³ : 8'-2" 30 yd ³ : 8'-2"
➤ Length:	.....	20 yd ³ : 23'-9" 30 yd ³ : 23'-9"
➤ Legal Road Payload:	.....	20 yd ³ : 12-14 yd ³ (depends on material density)
➤ Dewatering Surface Area*	.....	20 yd ³ : approx. 290 sq. ft. 20 yd ³ Turbo: approx. 370 sq. ft. 30 yd ³ : 360 sq. ft. 30 yd ³ Turbo: 520 sq. ft.
➤ Empty Weight:	.....	20 yd ³ : 9,200 – 9,700 lbs. 30 yd ³ : 10,500 – 11,000 lbs.

* Includes sides, floor, dividing wall (Turbo), front wall and container door

STRUCTURAL DESIGN

➤ Side Walls:	.....	3/16" A36 carbon steel plate
➤ Floor:	.....	1/4" A36 carbon steel
➤ Rear Door:	.....	3/16" A36 carbon steel
➤ Structural Tubing:	.....	All tubing is 1/4"
➤ Rails:	.....	(2)- 6x2x3/8 outer rail design cable hoist

FEATURES

➤ Drains:	.....	Two 3" drains with male camlocks and caps located on bottom of door. All liquid drains through door.
➤ Hinges:	.....	20 yd ³ - (2) 30 yd ³ - (3)
➤ Front Rollers:	.....	(2) – 4" x 6"
➤ Grease Fittings:	.....	On all hinges and rollers
➤ Bow Sockets:	.....	Six located on each side of box
➤ Bottom Slope:	.....	Three inch slope from front to rear door
➤ Filter Hooks:	.....	Filter cloth support hooks – (6) on each side, (4) on front panel and (4) on door
➤ Cleanout Space	.....	Three inches along side walls and five inches above floor.
➤ Filter Basket:	.....	38W – 1" x 3/16" galvanized bar grating welded to container (78% open area)
➤ Screen:	.....	150-micron filter cloth (consumable), non-woven polypropylene, or a 30x40 mesh woven polypropylene custom sewn to fit contour of box.
➤ Filter Support:	.....	5-mesh 304 stainless steel wire (58.5% open area) riveted with 304 SS rivets to a 304 SS strip welded to the bar grating.
➤ Tarps:	.....	Optional – uses the same fitted tarp as currently used on Roll-Off's and Intermodals.

TURBO MODEL DETAILS

➤ Wall:	.....	Dividing wall is located down the center of the long axis of the tank
➤ Top Tube:	.....	Dividing wall top tube is a 2" 304 SS pipe
➤ Material:	.....	Dividing wall is 38W 4 – 1" x 3/16" bar grating
➤ Filter Support:	5-mesh 304 stainless steel wire (58.5% open area) riveted with 304 SS rivets to a 304 SS strip welded to the bar grating.
➤ Drainage:	Dividing wall drains to the floor

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