

**PRODUCT DATA SHEET**

November, 2004

**SPECTRUM VACUUM  
DEWATERING 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 design increases surface area approximately 35%, which decreases dewatering time significantly.

**WEIGHTS AND MEASURES**

➤ <b>Capacity:</b>	.....	25 yd <sup>3</sup> filled to top; 21 yd <sup>3</sup> dewatering capacity
➤ <b>Height:</b>	.....	6'-7¼"
➤ <b>Width:</b>	.....	8'-0"
➤ <b>Length:</b>	.....	21'-9"
➤ <b>Legal Road Payload:</b>	.....	14-18 yd <sup>3</sup> (depends on material density)
➤ <b>Dewatering Surface Area*</b>	.....	Approx. 392 sq. ft.
➤ <b>Empty Weight:</b>	.....	12,500 – 13,000 lbs.

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

**STRUCTURAL DESIGN**

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

**FEATURES**

➤ <b>Drains:</b>	.....	Two 3" drains with male camlocks and caps located on lower side towards rear of container.
➤ <b>Hinges:</b>	.....	(2)- door hinges
➤ <b>Front Rollers:</b>	.....	(2) – 4" x 6"
➤ <b>Grease Fittings:</b>	.....	On all hinges and rollers
➤ <b>Bottom Slope:</b>	.....	Three inch slope from front to rear door
➤ <b>Filter Hooks:</b>	.....	Filter cloth support hooks – (6) on each side, (4) on front panel and (4) on door
➤ <b>Cleanout Space</b>	.....	Three inches along side walls and five inches above floor.
➤ <b>Filter Basket:</b>	.....	38W – 1" x 3/16" galvanized bar grating welded to container (78% open area)
➤ <b>Filter Cloth:</b>	.....	150-micron filter cloth (consumable), non-woven polypropylene, or a 30x40 mesh woven polypropylene custom sewn to fit contour of box.
➤ <b>Filter Support:</b>	.....	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.

**TURBO DETAILS**

➤ <b>Wall:</b>	.....	Dividing wall is located down the center of the long axis of the tank
➤ <b>Top Tube:</b>	.....	Dividing wall top tube is a 2" 304 SS pipe
➤ <b>Material:</b>	.....	Dividing wall is 38W 4 – 1" x 3/16" bar grating
➤ <b>Filter Support:</b>	.....	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.
➤ <b>Drainage:</b>	.....	Dividing wall drains to the floor

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