



# DENSITY SIZER

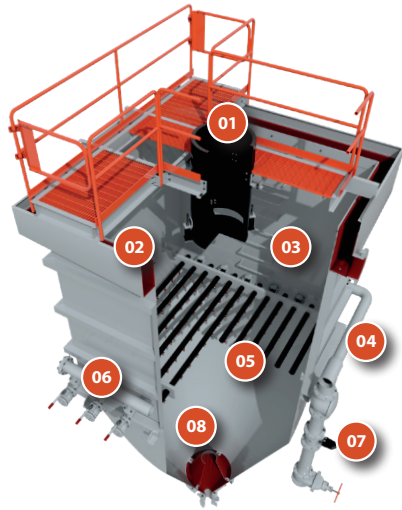
Separates material for extremely precise classification of products.



## APPLICATIONS

- » Extremely sharp classification
- » Cut range between 30-100 mesh
- » Separates by size or specific gravity
- » Lightweight material discharges over weir
- » Heavier, coarser sand exits bottom
- » -4 mesh maximum feed size
- » Split point easily adjusted

## FEATURES



### 01/ FEED WELL

Radially distributes material

### 02/ URETHANE LINED OVERFLOW WEIR

### 03/ U-SHAPED WATER MANIFOLD

Ensures equal water distribution and pressure

### 04/ SPRAY BARS

Establish rising current

### 05/ FLUSH VALVES

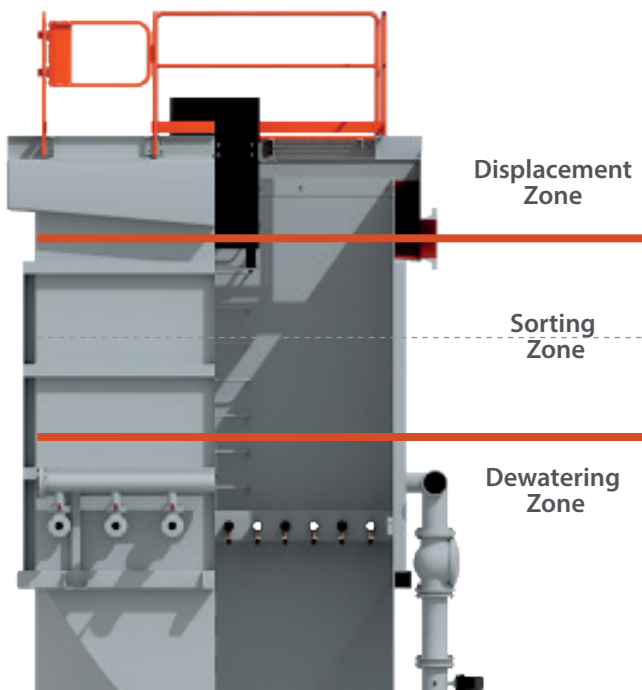
Clean spray bars

### 06/ GATE VALVE AND FLOW METER

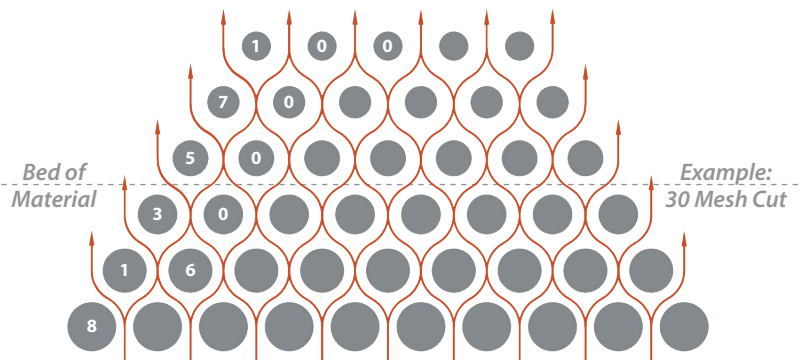
Control flow

### 07/ URETHANE-LINED CONE DISCHARGE

## HOW IT WORKS



### Particle Mesh Cuts



As particles are distributed throughout the sorting zone, depending on their density and size, the heavier particles settle through the dense medium. The lighter particles are hydraulically transported to the overflow.

## OPERATING DIMENSIONS

	Size	Settling Area	Feed Capacity		Water Required	
	m (ft)	m <sup>2</sup> (ft <sup>2</sup> )	MTPH	STPH	m <sup>3</sup> /hr	GPM
DS4x4	1.2 x 1.2 (4 x 4)	1.5 (16)	14 - 60	15 - 65	23 - 57	100 - 250
DS6x6	1.8 x 1.8 (6 x 6)	3.5 (36)	32 - 132	35 - 145	51 - 128	225 - 565
DS7x7	2.1 x 2.1 (7 x 7)	4.6 (49)	41 - 177	45 - 195	68 - 174	300 - 765
DS8.5x8.5	2.6 x 2.6 (8.5 x 8.5)	6.8 (73)	62 - 272	68 - 300	102 - 261	142 - 355
DS10x10	3.1 x 3.1 (10 x 10)	9.3 (100)	84 - 363	93 - 400	142 - 355	625 - 1,560

The Superior Density Sizer can accept feed with a top size of 5mm and offers tight control over particle separation between 149-595µm. Feed rates and water requirements are dependent on gradation of material. Finer particles requires more time to settle and lower feed rates are required.