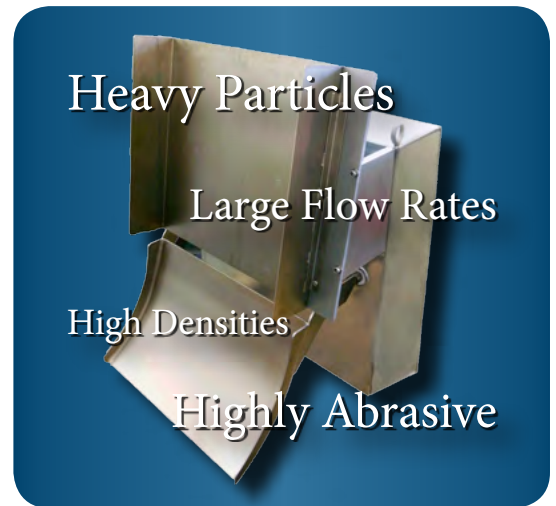


# HDM Type I: Heavy Duty

The CentriFlow® HDM Meter is a bulk solids mass flow meter specially designed for high density products with very high flow rates. As a Type I Meter, the HDM can be utilized for any high-density, high-flow rate application in which the product is being fed by vibratory conveyors or belts. As with the standard meter, the HDM can be oriented in both the In-Line Flow and the Reverse Flow orientation. The main difference is that the HDM Meter is designed to have a much more robust construction, including an increased height and depth for increased flow capacity. Its robust construction makes it perfect for installation in a variety of applications, including the processing of mine tailings; the rapid loading and unloading of trucks, railcars or shipping containers; or any installation where flow rates, bulk densities, or both are exceptionally high.



## Material Specification

1. Standard meter parts including the meter body and casing are constructed entirely out of 304 Stainless Steel.
2. Standard product contact surfaces such as the Measurement Pan and Tangential are constructed of Stainless Steel.
3. Stainless Steel Pans are typically of a welded, one-piece constructions and can be manufactured with a variety of coatings as well.
4. Many options for flow surfaces are available and can be substituted for the standard flow surfaces. The meter body and casing can be manufactured out of either 304 or 316 Stainless Steel.

## Design Specification

- Both the depth and the height of a standard meter have been doubled in order to accommodate much larger flow rates.
- The radius of the Pan is doubled to accommodate larger particles and higher flow rates.
- The meter can be installed in two different orientations depending on the installation location for the meter. The Type I (open) meter as shown here and the Type II (enclosed) meter.

*\*Please see the Type II catalog for additional information about the Type II enclosed meter.\**

Volumetric Capacity of the CentriFlow® HDM for REVERSE FLOW ft <sup>3</sup> /min (m <sup>3</sup> /hr)				
	Belt		Vibratory	
	Min	Max	Min	Max
HDM-24	3.75 (6.37)	75.00 (127.43)	37.50 (63.71)	112.50 (191.14)
HDM-48	7.50 (12.74)	150.00 (254.85)	75.00 (127.43)	225.00 (382.28)
HDM-72	11.25 (19.11)	225.00 (382.28)	112.50 (191.14)	337.50 (573.41)

Volumetric Capacity of the CentriFlow® HDM for IN-LINE FLOW ft <sup>3</sup> /min (m <sup>3</sup> /hr)				
	Belt		Vibratory	
	Min	Max	Min	Max
HDM-24	37.50 (63.71)	225.00 (382.28)	37.50 (63.71)	112.50 (191.14)
HDM-48	75.00 (127.43)	450.00 (764.55)	75.00 (127.43)	225.00 (382.28)
HDM-72	112.50 (191.14)	675.00 (1146.83)	112.50 (191.14)	337.50 (573.41)