

HEMCO HDP-100 DESANDING PLANT

HDP-100 desanding plant is designed and engineered for the processing of medium volume of all kinds of slurries commonly used in the construction industry.

PRINCIPLE OF OPERATION:

Slurry from the feed line is received on the vibrating coarse screen where the cuttings greater than 3mm are scalped off. Screened slurry falls into main tank where a float is installed to maintain the constant level of slurry while the desander is in operation. The screened slurry is then pumped into cyclone. In the cyclone the sand is separated from the slurry up to a separation cut point of 30 μ . Cyclone separated cuttings is dropped onto fine sieves. Vibrations along with assisted slope of the screen deck dewater the cyclone separated cuttings and drops them outside.

MAIN ASSEMBLIES:

Vibrating Screens
Pump unit
Cyclones
Vibration motors

MAIN TECHNICAL DATA:

Slurry Feed Capacity	100m ³ /h
Cut point d50	30 μ
Solids feed capacity	25-50 t/h
Vibration motors	1.1kW x2
Total power	24.2kW
Dimensions	2.9m x 1.9m x 2.25m
Total weight	2700 kg



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