

# Z | MAKİNA

## DESANDER UNIT





Desander and desilter are solids control equipment with a set of hydro cyclones that separate sand and silt from the drilling mud used on drilling rigs. They can be mounted either separately or completely. Desander is assembled on top of the mud tank following shale shaker and vacuum degasser, but before the desilter. Desilter is mantled on top of the mud tank following Desander.

		ZD140	ZD250	ZD500
Power	kW	22	45	90
Tank Capacity	lt	1800	3500	7000
Main Screen	m <sup>2</sup>	1,2	1,7	3,5
Secondary Screen	m <sup>2</sup>	1	1,5	3
Cyclone	mm	Ø420	2x420	4x420
Pump Capacity	m <sup>3</sup> /h	140	250	500
Vibro Motors	kW	2x1,1	2x2	2x7
Sand Content (Before Treatment)	%	%9-10	%9-10	%9-10
Sand Content (After Treatment)	%	%0,5-1,5	%0,5-1,5	%0,5-1,5
Dimensions	mm	2500x1230x2500	3950x1380x2500	6500x1380x2500
Weight	kg	2200	4000	9000

The bentonite tanks for bentonite muds and plastic mixtures are enormously strong that is stiffened oversized profiles, and electro-welded pressed steel sheet with the appropriate thickness.

Z Makina manufactures in various capacities on the customized solutions on request.

Telescopic bentonite tanks and cylindrical silos are manufactured for easy transportation and increased the slurry storage capacity as well.

MODEL		ZTS 20	ZTS 25	ZTL 40	ZTL 50
Width	mm	1860	2150	1860	2150
Height	mm	2150	2200	2150	2200
Length	mm	5310	5700	11410	11800
Capacity	m2	20	25	40	50
Weight	kg	2550	2850	4850	5250





		ZDD140	ZDD250	ZDD500
Power	kW	45	90	180
Tank Capacity	m <sup>3</sup>	4	5	10
Main Screen	m <sup>2</sup>	1,6	2,2	4,4
Secondary Screen	m <sup>2</sup>	1,5	2	4
Hydrocyclone	mm	2x250 + 6x100	2x400+12x100	4x400+24x100
Pump Capacity	m <sup>3</sup> /h	140	250	500
Vibro Motors	kW	1,1x2	2x2	2x2
Screening Diameter	µm	20	20	20
Dimensions	mm	3650x2340x2900	4500x2340x2900	7000x2340x2900
Weight	kg	4400	5400	5400

Z Makina manufactures a wide range of desanders and desander desilters. Main differences between desander and desilter as following:

- Desander is the second stage solids control equipment, desilter is in the third stage;
- Desander makes separations between 50 and 75 µm, desilter separate solids between 20 and 50 µm;
- They have different hydro cyclone sizes.

Desanding plants have further applications in gravel pits, in the mining industry and in micro tunneling projects.

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