

## Mud Cleaners

Spectrum Mud Cleaners utilize a two-stage separation process to enhance drilling fluid recovery. This design enables our mud cleaners to handle the entire circulating volume, remove dry solids, and retain premium base fluid, which is vital for drilling success.

The two-stage process combines Desander and Desilter hydrocyclones, mounted over a shale shaker, to operate as a single unit. The hydrocyclones perform the primary separation, with the underflow directed onto the shaker screen.

Our mud cleaners are effective for both weighted and unweighted drilling fluids, helping to lower fluid expenses and disposal costs. Spectrum Mud Cleaners enhance drilling efficiency and productivity by optimizing fluid recovery and minimizing waste.



Mud Cleaner  
Figure No. 42

### Technical Specification:

S. No.	Model	SDTI-MD-401	SDTI-MD-402	SDTI-MD-403
1.	Capacity	≤240m <sup>3</sup> /h(1056GPM)	≤240m <sup>3</sup> /h(1056GPM)	≤360m <sup>3</sup> /h(1584GPM)
2.	DESANDERS Hydrocyclone	2x10" (250mm)	2x10" (250mm)	3x10" (250mm)
3.	DESILTERS Hydrocyclone	12x4" (100mm)	12x4" (100mm)	16x4" (100mm)
4.	Pump Capacity	55kw (73hp)	55kw (73hp)	75kw (100hp)
5.	G-force	≤8.0Gs	≤8.0Gs	≤8.0Gs
6.	Deck Adjustment	-1° to +5°	-1° to +5°	-1° to +5°
7.	Screen Size	585x1165mm	585x1165mm	700x1250mm
8.	Screen Qty	4pcs	3pcs	3pcs
9.	Weight	1980Kg	1768Kg	2230Kg
1.0	Dimension (mm)	2615x1965x2240	2030x965x2240	2403x1965x2240
11.	Power	220-240V/50Hz, 380-415V/50Hz, 440-480V/60Hz, 575-600V/60Hz		
12.	Certification	IEC/UL/ATEX/CE		
13.	Remark	<ul style="list-style-type: none"> <li>Shaker motor type selection can be configured according to customer requirements.</li> <li>The shaker screen can be selected based on customer requirements, including iron frame, composite material, or plate wave screen.</li> <li>The treatment capacity of the equipment is measured with the following parameters: mud density of 1.2 g/cm<sup>3</sup>, mud viscosity of 45 s, and screen mesh of 40 mesh.</li> </ul>		