



MUD CLEANER

The **MUD CONDITIONER** comes in various Desander and Desilter configurations ranging from 500gpm to 1,1045pm. The combination of G-Force Motors, Pre-Tensioned screens, advanced Hydro Cyclone design and integrated drying deck has shown an increase in fluids recovery and reduction in dump & dilute in the field.

Hydro cyclones use the principle of centrifugal force to separate drill solids from a drilling fluid. Centrifugal separation is produced by the motion exerted on the fluid by the internal cyclone design. The hydro cyclone provides a near optimum flow pattern for maximum separation providing that the inlet pressure is correct which can be field checked. As a rule of thumb we can use:

$$4 \times \text{Mud Weight (PPG)} = \text{Manifold Pressure Gauge (PSI) reading}$$



The following models are available:

Model	HMC250 × 2/100 × 12		HMC250 × 3/100 × 16	
	Desander	Desilter	Desander	Desilter
Parameters				
Cones	10" × 2sets	4" × 12sets	10" × 3sets	4" × 16sets
Pressure	36~65 psi	36~65 psi	36~65 psi	36~65 psi
Capacity	881gpm	881gpm	1145gpm	1145gpm
Separation	43~74 micro	20~43 micro	43~74 micro	20~43 micro
Inlet Manifold	6"	6"	6"	6"
Discharge manifold	8"	8"	8"	8"
Model of the Shaker	HS220-3P / HS240-3P / HS280-3P		HS220-3P / HS240-3P / HS280-3P	
Weight (Lbs)	5842 lbs / 6063 lbs / 6504 lbs		6393 lbs / 6613 lbs / 6967 lbs	
Dimension (Inches)	103.15 × 96.45 × 98.43		103.15 × 103.54 × 98.43	

