

DUAL POT DESANDER / SAND FILTER

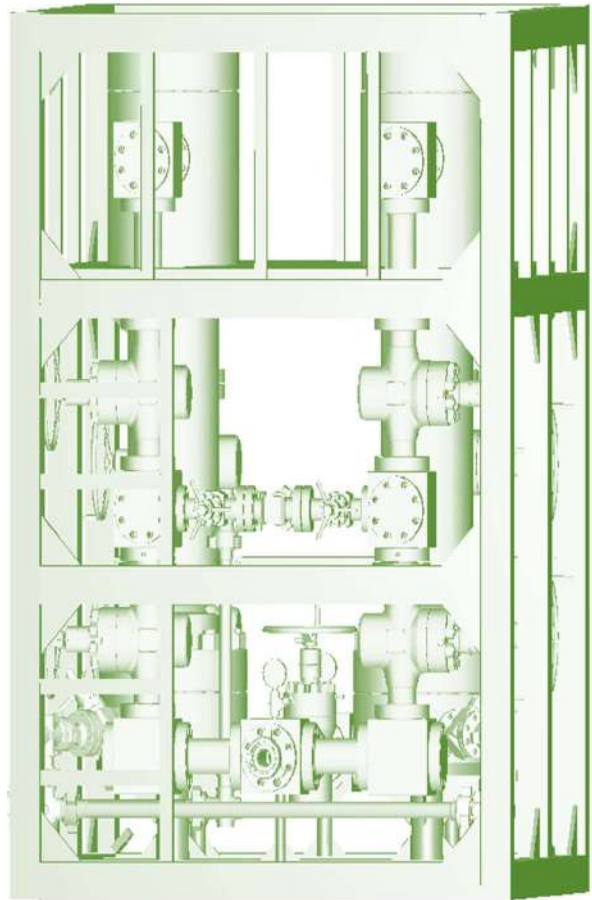
PRINCIPLE OF OPERATION

MEEM interchangeable unit is designed to remove formation sand, frac proppant, and other solid particles from the well effluent. It is normally positioned upstream of the choke manifold to prevent damage to downstream equipment caused by erosion.

The two vessels are connected in parallel and can either be used independently or together. Independently the vessels are split into 'duty' and 'standby'. The flow is passed through the duty vessel until the unit requires to be emptied. The standby vessel is brought on-line and the duty vessel taken off-line for flushing.

Features and benefits

- On-line solids removal
- ISO sized skid for ease of transportation
- Dual vessels and dual valve isolation allow for continued use while cleaning standby vessel
- Integrated flushing system to remove solids without having to break containment and remove screen
- Lift hoist to assist with removal and installation of filter screens, desander cyclones
- Range of screen sizes available which allow a maximum differential of 1,000 psi without collapse.
- Allows increased flow rates from wells that are choked back to reduce sand production



Applications

- Onshore and Offshore
- ☐ Well testing
 - ☐ Clean-up operations
 - ☐ Post Frac operations
 - ☐ HPHT

Well Testing

Surface equipment

Technical specifications

	MINIMUM	MAXIMUM	UNITS
Operating Temperature	-20	250	°F
Operating Pressure	10	10,000	psig
Screen Type	SS 316L material with stock screen range of 200, 400 & 600 micron.		
Screen Delta P (Burst) (Operating)	1500 psi 300 psi		
Cyclone Type	Single insert SS 316L with the range from 6” to 10”		
Cyclones Delta P	50 psi		
Service Conditions	H2S / CO2		
Process Flow rates	120 MMScfd Gas / 20,000 BPD Liquid		
Inlet / Outlet connections	3” 1/16 API 6A 10K Flange 2” 1502 Drain and Pumping connections with 2” 1/16 10K double isolation Mud Gate valves.		
External Dimensions (Footprint)	3500 mm x 2907 mm x 2600 mm (L x B x H)		
Maximum Gross Mass	15,000 KG		
Screen size	100, 200, 400, 600		Micro Meters
Vessel Capacity	220		Litres
Design Codes	Vessel : ASME VIII Division 2. API6A / Monogram Material Class : EE-NL, Temperature Class :P+U, Testing level : PSL-3 Service : NACE MR-0175 Lifting Spec : EN12079		