

Enclosed Solids Handling Tank

Expro's enclosed solids handling tank enables solids removal and measurement with minimum exposure to vapours.

The enclosed solids handling tank (ESHT) is designed to operate at minimum pressures and to collect solids which are filtered out of the production process by high pressure applications.

The tank consists of a vertical cylindrical top part with a funnel shaped bottom part. Sight glasses in the funnel enable liquid-and solid level determination. A 10" air operated valve at the bottom of the funnel allows draining of solids.

The design includes a 2" or 3" inlet, 2" liquid drains at several levels on the tank and a flame arrestor as an integral part of the vent line. An internal water spray enables the tank and sight glasses to be flushed.

A roller conveyor at the bottom of the frame enables easy removal of solids containers. Finally a weight indicator is supplied to measure produced amounts of solids.



Applications:

Onshore and offshore oil and gas well testing and clean up operations.
Solids exclusion
Frac clean up

Features & Benefits:

Reduces the need for manual handling
Reduces exposure to personnel
Small footprint

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Technical Specifications:							
Capacity	Working pressure inlet manifold	Connections	Weight (dry)	Dimensions h x l x w	Special Features	Manhole inch	Piping Design Code
m ³ (bbl)	Bar (psi)		kg (lbs)	m (ft)			
Model 1							
1.3 (8.2)	10 (150)	Effluent inlet: 2" 1502 Liquid outlet: 2" 1502	2750 (6000)	4.5 x 2.0 x 1.9 (15 x 6.5 x 6)	Air operated solids drain valve Internal water flush system	16	ANSI B31.3
Top		Solids outlet: 10" valve			4 Liquid drains at several heights		
0.95 (6)		Flush water: 1/2" Crows foot					
Funnel		Air: 1/2" Crows foot			Integrated flame arrestor in vent line		
0.35 (2.2)					Separate weight indicator for solids measurement		
Model 2							
1.3 (8.2)	10 (150)	Effluent inlet: 3" 1502 Liquid outlet: 2" 1502	3500 (7640)	3.8 x 2.0 x 1.9 (12.5 x 6.5 x 6)	Air operated solids drain valve Internal water flush system	19	ANSI B31.3
Top		Solids outlet: 10" valve			5 Liquid drains at several heights		
0.6 (3.8)		Flush water: 1/2" Crows foot					
Funnel		Air: 1/2" Crows foot			Integrated flame arrestor in vent line		
0.7 (4.4)					Separate weight indicator for solids measurement		