

Surge Tanks



With surge tank feeder

MHWirth surge tanks are designed for immediate storage and high accuracy feeding of powder chemicals to the mud hopper.

With a fluidizing bottom design, our space saving surge tank ensures an effective tank emptying without reducing the operational volume.

The proven design of the surge tank feeder prevents material from building-up inside the tank and eliminates the need for a sledgehammer. It provides a high feeding accuracy at all speeds and the feed rates are controlled by varying the rpm of the feeder (1-100 Hz).

The content level inside the tank is measured with standard electronic load cells. A local readout of weight and pressure can be provided as an option.

Our surge tanks are designed for harsh offshore environments, by means of applicable design codes and surface protection. With minimal spare parts requirements and highly durable components, it is a reliable machine reducing your total cost of ownership.

The surge tank meets all relevant offshore health, safety, security and environment requirements, such as HSE Offshore COSHH OCE8, OSHA 1910.212 and NORSOK D001.

Benefits

- Closed system for dust free feeding
- Fluidizing on the most efficient spots with reduced air consumption compared to common systems
- Flexible feed rate from 0.028 to 28 m³/h allows precise dosing
- Control system allows for continuous automatic operation with loss of weight feeding





Technical Specifications

	SUT 320	SUT 600
Volume - total	113 cu ft (3.2 m ³) Other sizes on request	212 cu ft (6.0 m ³) Other sizes on request
Volume - operating	85 cu ft (2.4 m ³)	150 cu ft (4.25 m ³)
Feeding capacity	0.99 - 990 cu ft/hr (0.028 - 28 m ³ /h) (1 -100 Hz)	
Hazardous area classification (according to IEC 60079-10-1)	Non-hazardous area. Optional: zone 1, zone 2	
Steel construction	Carbon steel painted	

Data is subject to confirmation by the manufacturer.