

# Bulk surge tank

**Product code: VL02**

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## Features and Benefits:

**Dust free mixing of chemicals**  
for a better working environment

**Suspended or with legs**  
for flexible installation

**Accurate dosing of chemicals**  
by means of surge tank feeder

**Meets all relevant HSE requirements**  
minimizes risks related to hazardous chemicals

STEP Offshore's bulk surge tanks are designed for intermediate storage and addition of bulk barite/ bentonite into the drilling fluid mixing hoppers and mixing lines.

Tanks are available in any project specific design (volume, diameter, design pressure, corrosion allowance, nozzle schedule, etc.)

The bulk surge tank is designed for an offshore environment, and is engineered to reduce maintenance and service to a minimum.

Great care has been taken to ensure that all relevant offshore health, safety and environment requirements are met.



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## About STEP Offshore

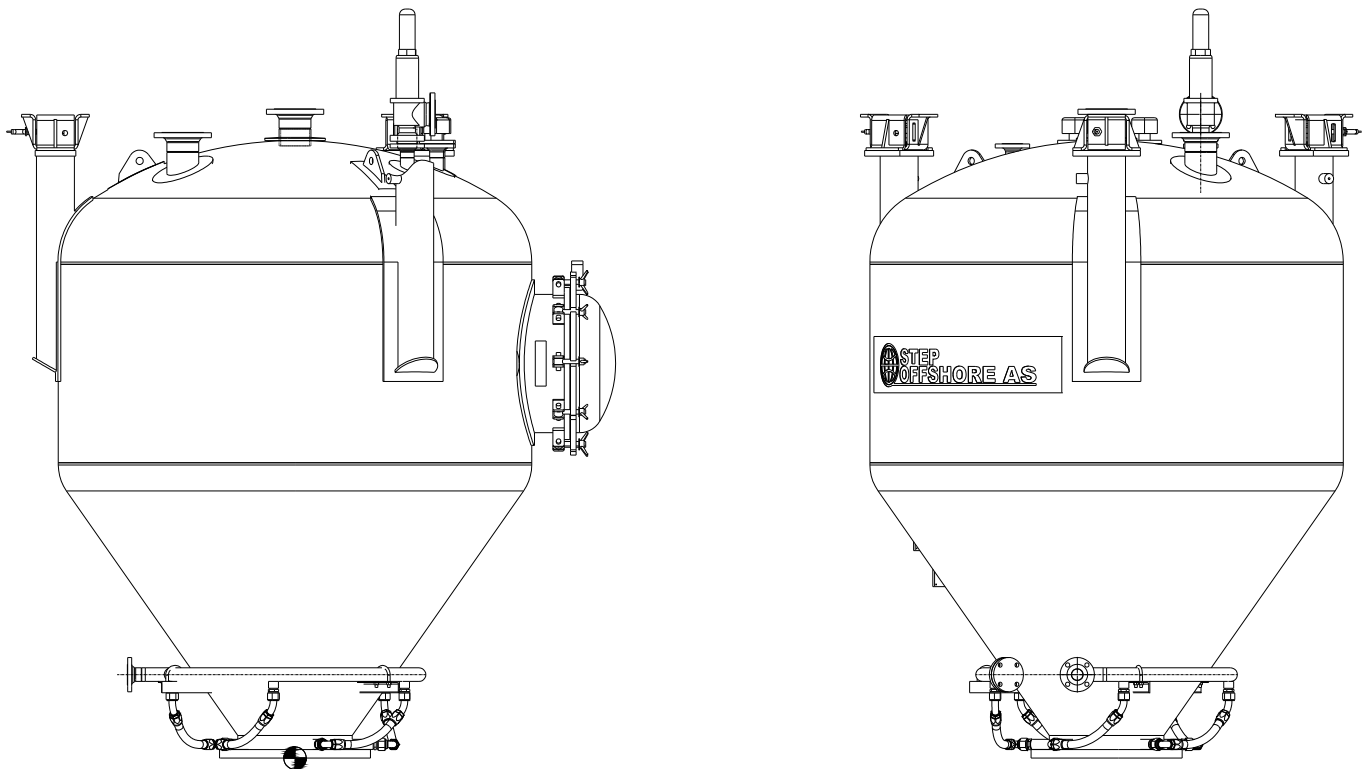
STEP Offshore is a leading supplier of high quality systems for drilling fluids management applications for oil and gas applications. The company was founded in 2004, with its headquarters located just outside Oslo in Hvalstad, Norway. Subsidiaries in Stavanger, Norway and Aberdeen, Scotland are established to serve the North Sea markets. The company utilizes Aker Solutions' worldwide network of representatives and offices to offer a global presence. Typical STEP Offshore deliveries are automated systems to semi submersible drilling rigs, drill ships, jack ups and land rigs, new builds and upgrades.

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## Technical Specifications



Design data (standard unit)				
Capacity	2.8 or 6 [100 or 212]	m <sup>3</sup> [ft <sup>3</sup> ]	Area classification	SAFE (zone 2 as option)
Unit weight without cell feeder	TBA	kg [lbs]	Operating press.	According to design specifications
Design temp.	-10/+50 [14/122]	°C [°F]	Corr. allowance	1 [0.04] mm[in]
Utility requirements:				
Max air consumption	TBA	Sm <sup>3</sup> /hr [scfm]		
Options:				
Instrumentation (level switch, level sensor, pressure gauge/transmitter, PSV, load cells, dummy load cells)			Integration into Automated Control System	
3 mm [0.12 in] corrosion allowance			System design assistance ("Engineering Support Team")	
Hazardous area zone 2 certification				
Documentation:				
Description	Reference	Included	Note	
User Manual	Based on NS 5820	Yes	Two (2) Sets	
MRB	NS 5820	Yes	Retained Document	
Certificates / Statements	NS 5820	Yes	As applicable	
Notes:				
STEP Offshore can supply installation supervision, commissioning and training on a separate contract. Documents/ Drawings issued to customer are delivered as STEP Offshore standard and will not be subject for comments. Contents of this product flyer can be changed without prior notice. Drawings and technical data should not be used for construction purposes. Please contact your local STEP Offshore office for further information or to receive a quotation.				