

# Dust cyclone and collector

**Product code: VL03**

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## Features and Benefits:

**Removes dust from the ventilation lines**  
for protection of the environment

**Collected dust transported back to storage tanks**  
for better economics

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

STEP Offshore's dust cyclone and collector is designed for removal of dust from the ventilation lines during pneumatic transport of bulk powder from supply vessel to bulk storage tanks or from bulk storage tanks to bulk surge tanks.

During transport of bulk powder for mud mixing and cementing operations, transport air is ventilated to the surrounding environment. To eliminate dust exposure to surrounding environment/ personnel dust cyclones and collectors for removal of excess powder are used.

The dust cyclone and collector 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

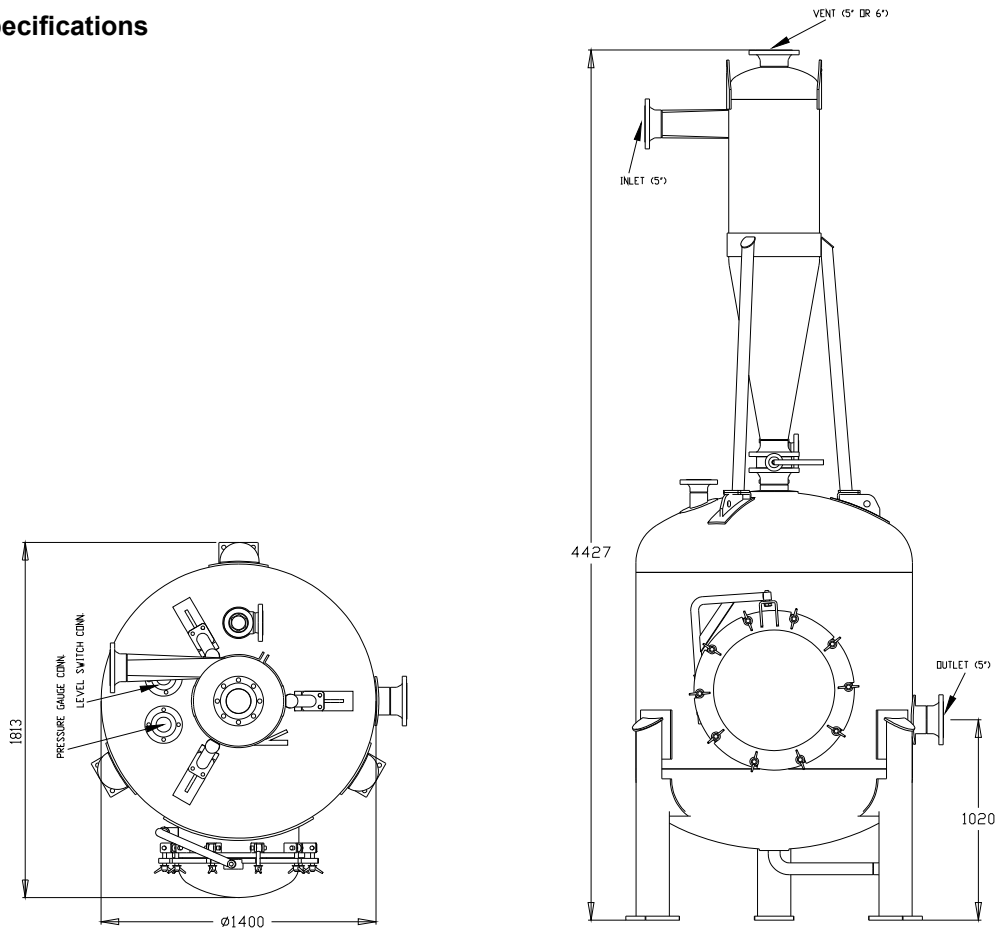
STEP Offshore is a leading supplier of high quality systems for drilling fluids management applications for oil and gas applications. The company was founded in 2004, with its headquarters located just outside Oslo in Hvalstad, Norway. Subsidiaries in Stavanger, Norway and Aberdeen, Scotland are established 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 collector	2 [70]	m <sup>3</sup> [ft <sup>3</sup> ]	Area classification	SAFE (zone 2 as option)
Unit weight without cell feeder	1450 [3107] [lbs]	kg	Operating press.	According to design specifications
Design temp.	-10/+50 [14/122]	°C [°F]	Corr. allowance	1 [0.04] mm[in]
<b>Utility requirements:</b>				
<b>Options:</b>				
Instrumentation (level transmitter, pressure gauge/transmitter, PSV)	Integration into Automated Control System			
3 mm [0.12 in] corrosion allowance	System design assistance ("Engineering Support Team")			
Hazardous area zone 2 certification				
<b>Documentation:</b>				
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	
<b>Notes:</b>				
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.				