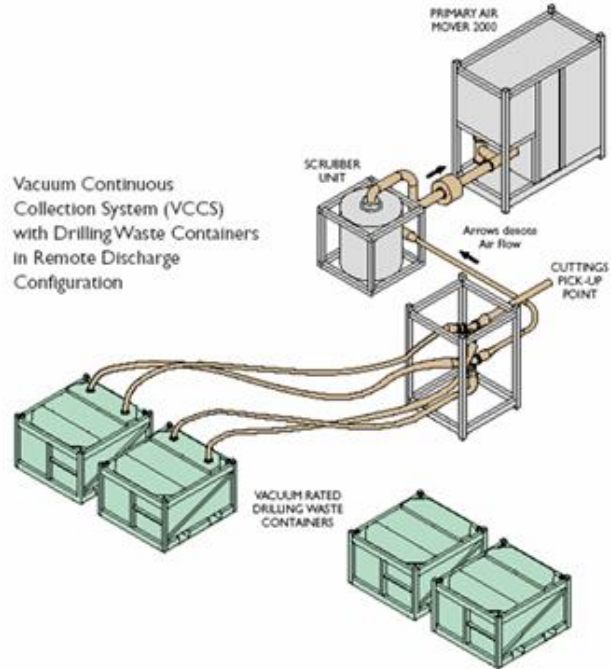


CONTAINMENT AND HANDLING

SCM-VCCS™ VACUUM CONTINUOUS COLLECTION SYSTEM



Midgard is acknowledged as a global leader in the provision of Drilling Waste Management products and services to the oil and gas industry.

We offers a comprehensive range of solids control and drilling waste containment, handling, treatment and disposal products together with associated engineering and management services designed to suit individual client requirements.

Management of drill cuttings and drilling fluids is our business. Our product range ensures that waste cuttings and fluids can be effectively contained, handled, treated and disposed of with minimal environmental impact. Our Vacuum Continuous Collection System (VCCS™) is a modular continuous collection and discharge system, designed primarily for the safe and efficient containment of all drill cuttings waste from both onshore and offshore drilling operations.

CONCEPT

Our VCCS™ vacuum recovery unit is a purpose built comprising of:

- Primary Air Mover – Generates vacuum source
- Scrubber and Filter Unit – A high efficiency small particle drop out and filter unit

- Containment pipe manifold – Enables the co-ordination of containment into various of our Waste Containers by the use of manually activated valves
- Vacuum Rated Drilling Waste Containers – Collection unit for the drill cutting waste vacuumed into the system

Air moves through the system at high velocity (at approximately 280 ft / sec) from the cuttings pick-up point, via the VCCS™ to the airflow source, notably the PAM. In doing so, drill cuttings waste is picked up, conveyed and subsequently deposited into one of two Drilling Waste Containers.

APPLICATION

In standard configuration two Drilling Waste Containers are deployed at one time, thus enabling the continuous vacuum collection of drilling waste with no shut down of equipment necessary. System flexibility is possible by siting Drilling Waste Containers in remote locations to the VCCS™.

The VCCS™ is an effective method of removing drill cuttings waste, capable of handling both wet and dry material.

The system can either be utilized to complement existing drill cuttings containment equipment i.e. CEVACS and / or pit cleaning, or used as standalone vacuum collection system.

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FEATURES & BENEFITS

- Low friction / non-stick hoses to reduce or eliminate hose blockages. All interconnecting hoses between vacuum pick-up to the Drilling Waste Containers are 4" bore to improve manual handling
- High velocity airspeed (approximately 280 ft / sec). Capable of conveying both wet and dry materials
- Scrubber and filter unit to provide high efficiency solids removal
- The Primary Air Mover provides a vacuum source up to 15" Hg and operates below 85 dB
- Quick hook-up time due to the equipment being supplied pre-assembled, necessitating attachment of interconnecting hoses only before commissioning
- Minimal deck space required as the VCCS™ framework has a small footprint
- Continuous vacuum collection and discharge possible due to the system's capacity to isolate and / or operate into one of two Drilling Waste Containers
- Collection into Drilling Waste Containers in remote location due to jumper hoses connecting the VCCS™ and Drilling Waste Containers. Standard supply hoses are 3 meters in length but various lengths could be supplied to suit particular installation



SPECIFICATIONS

General	
Model	SCM-VCCS™
Air Volume	1,780 cfm
Air Velocity	280 ft / s
Vacuum	15" Hg
Weight	
Primary Air Mover	4,850 lbs (2,200 kg)
Scrubber	3,300 lbs (1,500 kg)
DWC	3,090 lbs (1,400 kg)
DWC Gross	17,640 lbs (8,000 kg)
Dimensions	
PRIMARY AIR MOVER	
Length	115" (2,900 mm)
Width	65" (1,630 mm)
Height	93" (2,350 mm)
SCRUBBER	
Length	64" (1,630 mm)
Width	63" (1,600 mm)
Height	93" (2,350 mm)
DRILLING WASTE CONTAINER	
Length	83" (2,100 mm)
Width	71" (1,800 mm)
Height	56" (1,360 mm)
Utility Requirements	
ELECTRICAL	
Voltage	460 V
Current	220 A
Phase	3 Phase
Frequency	60 Hz
Power	150 hp (110 kW)
Safety	<ul style="list-style-type: none"> • Explosion proof electrics suitable for zone 1 use • Anti- Static Drive belt