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EQUIPMENT INC

# SCM-CBP 800
## CUTTINGS BLOWING PUMP

In many parts of the world, government regulatory agencies are placing increasingly stringent limitations concerning the containment, handling, treatment and disposal of contaminated drill cuttings to the environment. To comply with these requirements, specialized technology has been developed to meet these new challenges. Scomi Equipment Inc now offers the new Cuttings Blowing Pump (CBP) 800 System, an engineered solution for your drill cuttings containment and handling problems.

## CONCEPT

The Scomi Equipment Inc Cuttings Blowing Pump (CBP) 800 System is designed to offer a safe and efficient means of containment of all drill cuttings waste from both onshore and offshore drilling operations.

The Scomi Equipment Inc CBP 800 System is a purpose-built pneumatic conveying system comprising:

- Cuttings Blowing Pump – Enables the co-ordination of containment into various Scomi Equipment Inc Drilling Waste Containers
- Bulk Storage Tanks / Collection Containers – Collection units for the drill cuttings waste. Available in various sizes to suit each individual application
- Compressor – Provides air to the system

The cuttings are transported to the Cuttings Blowing Pump (CBP) 800 by Screw Conveyor (other transportation options are available). Once the CBP 800 is filled, it is then sealed and the vessel pressurized. The outlet is then opened and positive air pressure conveys the cuttings along the discharge line to its destination (Bulk Storage Tanks, Drilling Waste Containers, Drill Cutting Injection Package, Cuttings Dryer or overboard to a vessel). This process is then repeated as frequently as it is required to match the cuttings feed rate from the Shakers.

## FEATURES & BENEFITS

- No moving parts in contact with product
- Will convey slurries, sludges and solids
- Conveying system is fully enclosed
- Proven oilfield service with dense phase conveying technology
- Flexible installation to suit rig layout
- High containment capacity, in excess of 35 metric tons per hour (based on SG 2.0)
- Allows the cuttings to be pumped straight to a boat / barge or bulk storage tanks / containers on the rig
- Does not bottleneck operations and supports high RDP
- Exposure to drill cuttings significantly reduced
- Crane lifts are minimized, improving offshore safety

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## APPLICATION

In a standard configuration as many as 14 – 16 Bulk Storage Tanks can be installed at one time, either rig / vessel-based, providing over 320 $m^3$ containment volume. The Cuttings Blowing Pump 800 allows the continuous collection of drilling waste without compromising the ongoing drilling operations.

The Scomi Equipment Inc CBP 800 system is a well-proven, effective method of removing drill cuttings waste, capable of handling both wet and dry material.

The system has been utilized as a standalone Continuous Collection System, with containment capacities of up to 35 metric tons per hour (based on SG 2.0).

## TYPICAL CUTTINGS BLOWING PUMP (CBP) 800 SYSTEM

1. Cuttings Blowing Pump (CBP) 800
2. Bulk Storage Tanks
3. Drilling Waste Containers
4. Discharged Overboard to Vessel

## SPECIFICATIONS

| | |
|---|---|
| **General** | |
| Model | SCM-CBP 800 |
| Capacity | 200 L Twin Tanks |
| Cycle Time | 10-12 seconds |
| Vacuum | 23" Hg |
| **Air Compressor*** | |
| Type | Oil Free Air Compressor |
| Typical output | 28m²/min - 44m²/min (1,000 cfm – 1,550 cfm) |
| Power | 637 hp (475 kW) |
| Options | Electric powered unit available |
| **Bulk Storage Tank** | |
| Capacity | 36 $m^3$ |
| **Weight** | |
| Cuttings Blowing Pump | 2,392 lbs (1,085 kg) |
| Air Compressor | 23,148 lbs (10,500 kg) |
| Bulk Storage Tank (Empty) | 28,660 lbs (13,000 kg) |
| **Dimension** | |
| **Cuttings Blowing Pump** | |
| Length | 83" (2,100 mm) |
| Width | 57" (1,450 mm) |
| Height | 77" (1,965 mm) |
| **Air Compressor*** | |
| Length | 240" (6,096 mm) |
| Width | 96" (2,438 mm) |
| Height | 104" (2,642 mm) |
| **Bulk Storage Tank** | |
| Length | 197" (5,000 mm) |
| Width | 142" (3,600 mm) |
| Height | 98" (2,500 mm) |
| **Utility Requirements** | |
| **Cuttings Blowing Pump** | |
| Air | 750 cfm at 8 bar |
| Safety | ATEX compliant for use in Zone 1 areas |
| **Air Compressor*** | |
| Power | 637 hp (475 kW) |
| **Fuel Consumption** | |
| Idle Speed | 14 Liters / hour |
| Full Load | 80 Liters / hour |
| Safety | Suitable for safe area use |

*Based on a diesel unit
Note: Electric Air Compressors are available

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