

**SCM-RIG VAC™  
VACUUM SYSTEM**

Scomi Equipment Inc has over eleven years' experience in the containment and handling of drilling waste using vacuum type equipment. Now, through continued research and development, Scomi Equipment Inc is able to bring you a simple solution to your drilling fluid and sludge reclamation problems with the Rig-Vac™ vacuum system.

**CONCEPT**

The Rig-Vac™ vacuum system is a robust skid-mounted vacuum device designed to be centrally located for the reclamation, containment and handling of waste liquids and sludges from both onshore and offshore operations.

A range of three different Rig-Vac™ vacuum systems is offered – the electrically operated RV 3500 and RV 3560, and the diesel powered RV 4500.

The RV 3500 and 3560 are two component modular vacuum systems. The first component is a power plant which incorporates a positive displacement blower, muffler, valve manifold and electric motor. The second is a tank skid which is fitted with a tank, suction, discharge and inspection connections.

The RV 3560 is larger and more powerful than the RV 3500. It features a 45 kW electric motor and has a tank capacity of 3180 liters. The RV 3500 has a 15 kW electric motor and 1590 liters capacity tank

The RV 4500 is a single skid self-contained vacuum system with a diesel power train. The main components consist of a positive displacement blower, muffler, valve manifold, 2385 liter capacity tank, suction, discharge, and inspection connections.

**APPLICATION**

The Rig-Vac™ vacuum system is designed to reclaim drilling fluid spillages caused by tripping, pulling wet strings or accidental spillage. It can also be used for other waste stream spillages such as waste water or drill cuttings. The cleaning of ditches, cellars and sumps plus the skimming of pits and cuttings boxes is also possible.

**FEATURES & BENEFITS**

- Tank capacity – the tank capacities of the RV 3500, 3560 and 4500 are 1590, 3180, and 2385 litres respectively
- Loading capacity – the loading capacities of the RV3500, 3560 and 4500 are 150, 380, and 230 L / m respectively
- Versatile – the Rig-Vac™ vacuum system has the ability to switch from vacuum loading to discharge for tank emptying
- Maintenance – all systems have an 18" man way for easy clean-out
- Safety – all systems have vacuum and pressure relief valves, plus float check for protection of blower and tank
- Capacity – more powerful than a regular vacuum truck
- Easy to operate – both electric motors feature an on-off switch with reset and the diesel-powered motor is self-contained

## CONTAINMENT AND HANDLING

### FEATURES & BENEFITS

- Maintenance and operation – units have performed years of reliable service with minimal maintenance
- Flexible – due to their two component modular design, the layout of the RV 3500 and 3560 systems can be arranged to suit any environment
- Safety – improves workplace safety by allowing quick and easy removal of spillages



### SPECIFICATIONS

General		
Model	RV 3500	RV 3560
Tank Capacity*	1,590 L (10 bbls)	3,180 L (20 bbls)
Loading Capacity*	150 L / m (40 US gpm)	380 L / m (100 US gpm)
Blower Capacity	10 m <sup>3</sup> / m (350 ft <sup>3</sup> / m)	24 m <sup>3</sup> / m (850 ft <sup>3</sup> / m)

\*Typical Performance

Weight		
Power Unit	1,340 lbs (608 kg)	2,200 lbs (998 kg)
Tank & Skid	1,340 lbs (608 kg)	1,850 lbs (840 kg)

#### Dimensions

POWER UNIT		
Length	56" (1,420 mm)	78" (1,980 mm)
Width	34" (860 mm)	48" (1,220 mm)
Height	52" (1,320 mm)	80" (1,680 mm)

Tank		
Length	120" (3,050 mm)	120" (3,050 mm)
Width	42" (1,070 mm)	60" (1,520 mm)
Height	60" (1,520 mm)	80" (2,030 mm)

#### Utility Requirements

ELECTRICAL		
Power	20 hp (15 kW)	60 hp (45kW)
Voltage	380 / 460 V	
Phase	3	
Frequency	50 /60 Hz	
Safety	Explosion proof electrics	

\* Maximum demand

General	
Model	RV 4500
Tank Capacity*	2,385 L (15 bbls)
Loading Capacity*	230 L / m (60 US gpm)
Blower Capacity	15.6 m <sup>3</sup> / m (550 ft <sup>3</sup> / m)

\*Typical Performance

Weight	
Net	3,800 lbs (1,725 kg)

#### Dimensions

Length	186" (4,725 mm)
Width	60" (1,520 mm)
Height	60" (1,520 mm)

#### Utility Requirements

Power Source	
Power	47 hp (35 kW )
Cooling	Air-Cooled
Fuel Consumption*	7.3 L / hr (1.9 US gph)
Engine Type	3 Cyl., Turbo Diesel
Safety	Explosion proof electrics

#### Options

- Remote control station
- Larger blower units [up to 170 m<sup>3</sup>/m (6,000 ft<sup>3</sup>/m)]
- Larger tanks [up to 9,540 L (60 bbls)]
- Sound insulation pack
- Skimmer head attachment

\* Maximum demand