

RojanSanatAlborz

MEDIUM VACUUM SYSTEMS

Rojan Sanat Alborz is a seller of medium industrial vacuum cleaners (**M series**) for your vacuuming and industrial cleaning operations. These series are completely self-supporting and can be transported by any heavy-weight vehicle or light-weight truck. Medium vacuum system is the best economical and flexible solution for your dry material vacuum activities in heavy industries.

M Series characteristic:

- Can be fitted on roadworthy chassis or factory based chassis, can be pulled by truck, fork lift truck, loader, ...
- Electrical or diesel engine
- Three-cam rotor (Roots)
- Automatic declogging by means of compressed air pulses or by shaking
- Container emptying by tipping
- Complete package of safety features is included in standard way to ensure the long life of the machine : safety cartridge, differential pressure controller on the cartridge, temperature probe on the three-cam rotor (Roots)
- The RSA-M Series can be linked to a pipe network

Application examples of this machine:

- suction removal of sand, gypsum, etc
- Suction and blowing of (roof) gravel
- Suction and discharging of various powders in bags
- Suction and discharging of cement, etc

M series models are:

- RSA-MF
- RSA-MV
- RSA-MS
- RSA-MT



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RSA-MS Series

The RSA-MS is designed for places that require constant vacuuming. This type is totally user friendly. These vacuum units are suitable for material spillage removal and recovery in industrial processing plants and could handle materials such as gold, alumina, cement, platinum, ferrochrome, iron ore and others.



Lineaments of RSA-MS:

- Three – cam rotor (Roots) vacuum
- Automatic deglogging by means of mechanical shaking
- The machine can be moved by forklift truck or travelling, crane, ...
- Complete package of safety features included to ensure the long life of the machine safety cartridge, differential pressure controller on the cartridge, temperature probe on the three – cam rotor (Roots), safety valve
- The RSA-MS can be easily linked to a pipe network



Technical Characteristics:

- Power KW/HP: 22/30 – 37/50
- Flow Rate: 950 – 1540 m³/h
- Filtering Area: 18 m²
- Vacuum DN: 100 mm
- Container Capacity: 1.5 m³
- Empty Weight: 2500 Kg

RSA-MF Series

Our proposal is to supply powerful industrial vacuum equipment. This equipment will be used for vacuuming material accumulations and cleaning floors, machinery, frame works and any kinds of materials used in cement factories, mines, steel plants, etc

The vacuum maintained in the suction accessories, generates a powerful airflow which vacuums and pneumatically carries the material to special admission head included in the equipment.

Exclusive Features:

- Protection against static electricity by filter and braided conductor wire
- On-Board air compressor automatic declogging by means of compressed air pulses
- Automatic declogging by means of shaking
- Differential pressure switch to automatically switch the unit off in case of an incident in the safety filter
- High level sensor

Some Specification:

- Power: 30-130 KW
- Flow rate: 1540-4450 m³/h
- Vacuum: 5000 mm
- Filtering area: 12-36 m²
- Vacuum DN: 100-150 mm
- Container capacity: 0.25 – 6 m³
- Empty Weight : 2500-9000 kg



RSA-MV Series

The RSA-MV vacuum systems are custom built to fulfill client requirements to handle the toughest mining environment in the gold, nickel, copper and other similar industries.

The RSA-MV vacuum technology is a customer focused systems that provides a complete range of vacuum systems for industrial plants and mining applications that assures the quickest, most efficient and safest means of recovering a variety of dry material such as cement, gold, ore, fines, platinum, iron ore, rock phosphate, gypsum and many more.

According to needs of our clients, we have the honor to offer two types of electrical and diesel engine.

Electric:

- 37 KW
- 55 KW
- 75 KW
- 90 KW
- 110 KW

Diesel:

- 85 KW
- 130 KW



RSA-MT Series

The RSA-MT is a 2-axle trailer Vacuum system for suction and discharging dry materials. When developing this machine maximum flexibility, functionality developed ability and lower fuel consumption were essential terms to consider. The RSA-MT is the best economical and flexible solution for dry material vacuum activities.

Lineaments of RSA-MT:

- Suction and discharge of dry materials
- Stainless Steel and carbon steel tank
- Suction with a full vacuum roots blower from 2000 to 3000 m³/h on 96% vacuum
- Pump driven by a 4 cylinder diesel engine
- Cyclone can be lifted to a man height of 1700 mm below the valve
- 2-axle trailer, total empty weight approx. 2400 kg
- Low fuel consumption
- Low noise level



Specification:

- The pump choice: Roots blower
- Vacuum: 96%
- Power consumption: approx. 70 KW
- Pump volume unloaded: approx. 2000 to 3000 m³/h

Drive:

- Diesel engine: 4 cylinders
- Enclosure: pump and diesel engine fully enclosed in sound proof casing
- Noise level: approx, 75 dB

