Equipment

REXSH0340-MO-MA-FO-SE	Motor (MO)	Material (MA)	Foot (FO)	Sealing (SE)	Model
● Motor choices (Pressure ratio)					MO=?
● Lower Material selection					MA=?
- Stainless Steel		SS			MA=SS
- Follower plate (Ø=105mm)			FP		FO=FP
- PU (Polyurethane)				06	SE=06
● Foot selection					FO=?
- Mixed Materials					MA=CS
- Motor 7000 (18:1)					MO=70
- Motor 9000 (30:1)					MO=90
- PTFE - Polytetrafluorothylene (Teflon like properties)					SE=01
- PTFE + FEP (Encapsulated O-Ring: Teflon like properties over Viton or Silicone)					SE=02
- PE - Polyethene (UHMWPE)					SE=03
- Leather					SE=04
- PTFEG (PTFE + Graphite compound)					SE=05
- PTFEV (PTFE + Glass compound)					SE=07
- PEHD (UV ink)					SE=08
● Seal package selection					SE=?

Accessories

Description	Part number
Flat Seal Follower Plate for 200L Drums -Ø 571 (pump foot Ø105)	151519001
Double O-Ring Follower Plate for 200L drum -Ø 571 (pump foot Ø105)	1055170001
Double O-Ring PTFE-Coated Follower Plate for 200L drum -Ø 571 (pump foot Ø105)	1057370001
Double column elevator for 200 L. drums (not available in NA/China)	151090500
1000 L. and 300 G. Follower plates (please contact us)	♦

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REXSON SH0560

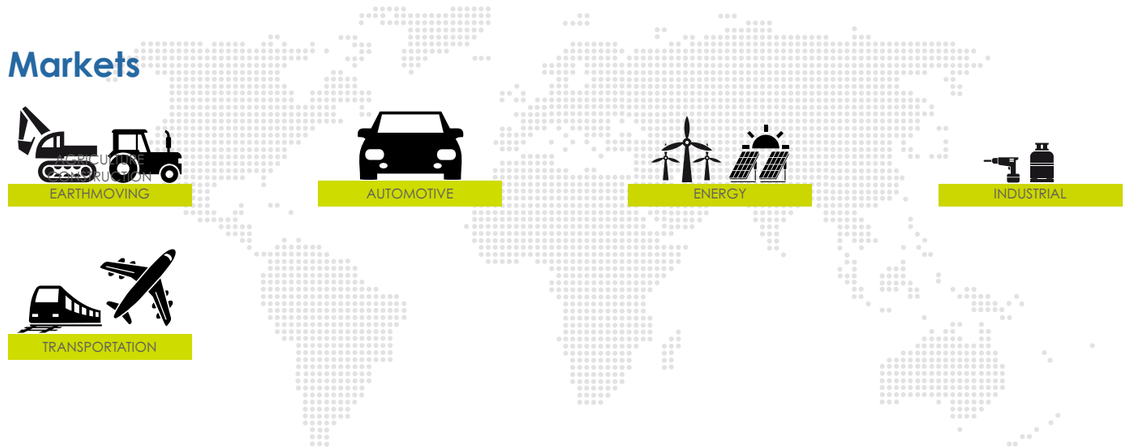
Shovel Pump

High Viscosity / Pumps

PUMPING BEYOND POSSIBLE.

- **Robust and reliable**
- **Simple to maintain**
- **Configurable and versatile**

Markets



BOND • PROTECT • BEAUTIFY

REXSON SH0560

Shovel Pump

This High Viscosity Shovel Pump is for high pressure applications. Used with Airless and extrusion applications requiring medium flow rates with a large size footprint.

The **REXSON pumps of the high viscosity range** have been designed with robustness in mind, and the aim of offering a high degree of modularity to follow your application. Unlike liquid fluid pumping, the high viscosity range imposes highly variable mechanical stresses from one product to another.

Double-acting shovel pumps are specifically designed to transfer fluid with a viscosity greater than **50,000 Cps** and operate from 25,000 Cps for products whose particular rheology makes them difficult to pump. These pumps **include a shovel** that facilitates feeding the pump inlet, allowing it to move high viscosity materials.

To create your own pump that will **meet your application specifications**, you will have to **select:**

- The **correct air motor** according to the maximum pressure,
- The **construction materials** according to the nature of the product,
- The **foot and mounting style** according to the product packaging, and your installation
- The S**eal pack** (see the Documents tab to get all necessary information on our website).

Our air motors are designed for maximum airflow with a pilot distributor to **allow fast inversion** . They are equipped with a large silencer to **avoid water freezing** at the motor outlet and can be controlled (start / stop) from a remote air control.

These pumps are used as feeding equipment directly from **open drums** installed on a elevator using a follower plate.

Technical data table

Designation	Value	Unit: metric (US)
Maximum Fluid Pressure	180 (2,600)	bar (psi)
Maximum Air Pressure	6 (87)	bar (psi)
Viscosity	>50,000	cps
Pressure Ratio (depending on air motor size)	18:1, 30:1	
Maximum Temperature	80 (176)	°C (°F)
Fluid Volume per Cycle	560	cc
Fluid Output at 15 cycles / mn	8,40 (2.21)	l/mn (gal/mn)
Fluid Output at 60 cycles / mn	33,60 (8.87)	l/mn (gal/mn)
Motor Type	7000, 9000	
Air Inlet	3/4"BSP(F)	
Fluid Outlet	1-1/2"BSPT(F)	
Weight (fluid section only)	38 (83.8)	kg (lbs)
Weight (air motor only)	26-35 (57.3-77.2)	kg (lbs)
Fluid Inlet (follower plate)	105mm	
Air Consumption upon air motor size (see catalog)	---	
Stroke	120 (4.72)	mm (inch)

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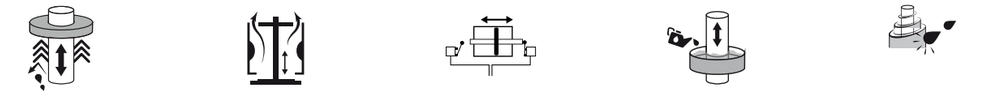
Technologies



PERFORMANCE

M1 Power distributor: Wide passageway for maximum airflow

L1 Upper Body: The upper part of the pump is of robust construction and must be able to withstand the maximum pressures.

L2 Upper Valve: This valve material to pass from the lower chamber allows to the upper chamber of the pump. A conical valve is used to reduce pressure loss.

L3 Lower Valve: Uses a large conical valve to reduce the pressure loss through the pump and allow easy filling.

L4 Shovel : Feeds the product to pump inlet. Allows the pump to dispense high visocity material.

PRODUCTIVITY

M2 The Cover: Very easy to remove and to access the repair parts

M3 The P ulse Output: The motor can be easily monitored thanks to an air pulse occurring at each reversal.

L5 Motor adaptation flange: Unique and robust assembly of the motor shaft connection to the pump shaft. Allows quick adaptation to different air motors to vary the pressure ratio of the pump.

L6 Guard: To guarantee the safety of the operators, this guard prevents contact with the moving shaft of the pump.

L7 Lower Body: The pump lower is adapted as needed to be fixed on a follower plate, immersed in a bung drum, or simply threaded for connection to a manifold.

SUSTAINABILITY

M4 Brass guiding ring: Enduring and accurate guidance system

M5 Camshaft inversion system: Very reliable reversal system

L8 Upper seals packing: Our pump range has a wide range of seal materials to suit all your needs.

L9 Rod and Cylinder: The piston shaft and the cylinder are made of triple chrome steel to ensure excellent abrasion resistance.

Description