

Equipment

REXSH0910-MO-MA-FO-SE	Motor (MO)	Material (MA)	Foot (FO)	Sealing (SE)	Model
• Motor choices (Pressure ratio)					MO=?
- Motor 7000 (18:1)	70				MO=72
- Motor 9000 (30:1)	90				MO=92
• Lower Material selection					MA=?
- Mixed Materials		CS			MA=CS
- Stainless Steel		SS			MA=SS
• Foot selection					FO=?
- Follower plate (Ø=105mm)			FP		FO=FP
- Plain Cylinder			PC		FO=PC
• Seal package selection					SE=?
- PTFE - Polytetrafluoroethylene (Teflon like properties)				01	SE=01
- PTFE + FEP (Encapsulated O-Ring: Teflon like properties over Viton or Silicone)				02	SE=02
- PE - Polyethylene (UHMWPE)				03	SE=03
- Leather				04	SE=04
- PTFEG (PTFE + Graphite compound)				05	SE=05
- PU (Polyurethane)				06	SE=06
- PTFEV (PTFE + Glass compound)				07	SE=07
- PEHD (UV ink)				08	SE=08

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)	♦




REXSON SH0910

Shovel Pump

High Viscosity / Pumps



PUMPING BEYOND POSSIBLE.

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

Markets





REXSON SH0910

Shovel Pump

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

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 **Seal 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. Specific pumps can be used on **manifold** applications.



Technical data table

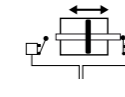
Designation	Value	Unit: metric (US)
Maximum Fluid Pressure	180 (2,600)	bar (psi)
Maximum Air Pressure	6 (87)	bar (psi)
Viscosity	>50,000	cps
Pressure Ratio (depending on air motor size)	18:1, 30:1	
Maximum Temperature	80 (176)	°C (°F)
Fluid Volume per Cycle	910	cc
Fluid Output at 15 cycles / mn	13.65 (3.60)	l/mn (gal/mn)
Fluid Output at 60 cycles / mn	54.60 (14.42)	l/mn (gal/mn)
Motor Type	7200, 9200	
Air Inlet	3/4" BSP (F)	
Fluid Outlet	1-1/2" BSPT (F)	
Weight (fluid section only)	44 (97)	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	200 (7.87)	mm (inch)



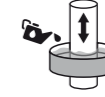
Chevron Sealing



Chop Check



Switch Motor



Cup Lub



Triple Chrome Layer



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 viscosity material.

PRODUCTIVITY

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

M3 The Pulse 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

