

Equipment

Designation	Part number
- Bung Mounted 200 L.	FO-D2
- PU (Polyurethane)	SE=06
- Leather	SE=04
- Motor 3000 (18:1)	MO=30
- Motor 1500 (9:1)	MO=15
- Mixed Materials	MA=CS
- Follower plate (Ø=105mm)	FO=FP
- Stainless Steel	MA=SS
- PTFE - Polytetrafluoroethylene (Teflon like properties)	SE=01
- PTFE + FEP (Encapsulated O-Ring: Teflon like properties over Viton or Silicone)	SE=02
- Drum Bung mounted (60 Liter Drum / 2" Bung)	FO=D1
- PTFEG (PTFE + Graphite compound)	SE=05
- PE - Polyethene (UHMWPE)	SE=03



REXSON SH0060

Shovel Pump

Pumping beyond possible.

Product highlights

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



Additional information

- User manual
- Spare parts
- Accessories
- Documents
- Videos



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REXSON SH0060

Shovel Pump

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



Adapted industrial markets



ACE*



Automotive



Energy



Industrial



Transportation



Wood

Technical data table

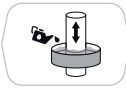
Designation	Value	Unit
Maximum Air Pressure	6 (87)	bar (psi)
Pump displacement	60 (3.66)	cc/cycle (in^3/cycle)
Fluid Output at 15 cycles / mn	0,90 (0.23)	l/min (gal/min)
Fluid Output at 20 cycles / mn	1,20 (0.32)	l/min (gal/min)
Fluid Output at 60 cycles / mn	3,60 (0.95)	l/min (gal/min)
Maximum Material Pressure	360 (5200)	bar (psi)
Maximum Temperature	80 (176)	°C (°F)
Pump Type	Cup pump with shovel	
Air Inlet Fitting	1/2"- 3/4"BSP(F)	
Material Inlet Port	80mm	
Material Outlet Port	3/4"BSP(F)	

Marking

Product	Type
REXSON SH0060	CE 0080

*: "AgricultureConstruction and Earthmoving"

Technologies



Cup Lub



Chevron sealing



Chop check

Description

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 bung drums applications.

Performances

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 allows material to pass from the lower chamber 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.

