

Equipment

Designation	Part number
- Stainless Steel	MA=SS
- PTFEG (PTFE + Graphite compound)	SE=05
- Motor 1500 (9:1)	MO=15
- Motor 1000 (4:1)	MO=10
- Follower plate (Ø=105mm)	FO=FP
- Wall mounted (Inlet F 1-1/2" BSPP)	FO=WM
- PTFE + FEP (Encapsulated O-Ring: Teflon like properties over Viton or Silicone)	SE=02
- PTFE - Polytetrafluoroethylene (Teflon like properties)	SE=01
- Leather	SE=04
- Motor 3000 (18:1)	MO=30
- PE - Polyethene (UHMWPE)	SE=03
- PU (Polyurethane)	SE=06



REXSON 2B0079

2 Ball 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 2B0079

2 Ball Pump

This High Viscosity Pump is a 2 ball double-acting piston technology is used for Airless and extrusion application requiring low flow rates.



Adapted industrial markets



Automotive



ACE*



Energy



Industrial



Railways



Transportation

Technical data table

Designation	Value	Unit
Maximum Air Pressure	6 (87)	bar (psi)
Pump displacement	79 (4.82)	cc/cycle (in^3/cycle)
Fluid Output at 15 cycles / mn	1,18 (0.31)	l/min (gal/min)
Fluid Output at 20 cycles / mn	1,58 (0.42)	l/min (gal/min)
Fluid Output at 60 cycles / mn	4,74 (1.25)	l/min (gal/min)
Maximum Material Pressure	320 (4600)	bar (psi)
Maximum Temperature	80 (176)	°C (°F)
Air Inlet Fitting	1/2"- 3/4"BSP(F)	
Material Inlet Port	80mm 1"BSP(F)	
Material Outlet Port	3/4"BSPP(F)	

Marking

Product	Type
REXSON 2B0079	CE 0080

*: "AgricultureConstruction and Earthmoving"

Technologies



2 Ball

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 ball pumps are similar in construction to pumps for liquid products and are capable of transferring fluid up to 50,000 Cps. These pumps have been adapted for high viscosity products by optimizing the passage diameters, the nature of the seals, and the hardness of the 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 broad 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 the product packaging in-wall mounting, or installed on an elevator with a follower plate for open drums.

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. It is designed to limit pressure loss.
L3 Lower Valve: This valve is essential for the suction of the product. It is designed to be as wide as possible for easy filling.

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.
L4 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.
L5 Guard: To guarantee the safety of the operators, this guard prevents contact with the moving shaft of the pump.
L6 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
L7 Upper seals packing: Our pump range has a wide range of seal materials to suit all your needs.
L8 Rod and Cylinder: The piston shaft and the cylinder are made of triple chrome steel to ensure excellent abrasion resistance.

