

Electric Checkball Piston Pump

This electric pump is a piston pump designed to be driven by a motor, ideally an electric motor. It is suitable for use in wellhead control panel systems and power packs on high-torque service tools, using hydraulic oil as the application medium.



ADDITIONAL IMAGES



Product Overview

High-Performance Checkball Piston Pump

This electric checkball piston pump is engineered for demanding industrial applications, including wellhead control panel systems and high-torque service tool power packs. It features a robust, high-strength alloy steel body with optional stainless steel casing for enhanced durability. Designed for efficiency, the pump delivers high-pressure output up to 15,000 psi and operates with low noise levels, supporting both clockwise and counterclockwise rotation.

Performance Metrics

Rated Pressure

10000 psi
Rated Pressure

690 bar
Rated Pressure

Max Intermittent Pressure

15000 psi
Max Intermittent Pressure

1034 bar
Max Intermittent Pressure

Maximum Speed

3000 rpm

Operational Details

Flow Rate Options

- 0.64 l/min
- 1.02 l/min
- 1.4 l/min
- 2.1 l/min

Rotation Direction

Clockwise, Counterclockwise

Installation & Requirements

Application Medium

Hydraulic Oil

Installation Requirement

Must be installed at a lower position than the tank; vent air in the pump chamber before starting.

Technical Specifications

Performance and Specification

Ordering Code	Rated Press (psi/MPa)	Max. Intermitter Press (psi/MPa)	Flow at 1500rpm	Max. Speed	Stainless Steel Shell	Inlet Port	Outlet Port
ELP-4A03N	15000(1034)	15000(1034)	0.64l/min	3000rpm	No	1/2"NPT	1/4"NPT
ELP-4A04N	15000(1034)	15000(1034)	1.02l/min	3000rpm	No	1/2"NPT	1/4"NPT
ELP-4A05N	15000(1034)	15000(1034)	1.4l/min	3000rpm	No	1/2"NPT	1/4"NPT
ELP-4A06N	15000(1034)	15000(1034)	2.1l/min	3000rpm	No	1/2"NPT	1/4"NPT
ELP-4B03N	15000(1034)	15000(1034)	0.64l/min	3000rpm	Yes	1/2"NPT	1/4"NPT
ELP-4B04N	15000(1034)	15000(1034)	1.02l/min	3000rpm	Yes	1/2"NPT	1/4"NPT
ELP-4B05N	15000(1034)	15000(1034)	1.4l/min	3000rpm	Yes	1/2"NPT	1/4"NPT
ELP-4B06N	15000(1034)	15000(1034)	2.1l/min	3000rpm	Yes	1/2"NPT	1/4"NPT
ELP-4A03G	15000(1034)	15000(1034)	0.64l/min	3000rpm	No	G1/2"	G1/4"
ELP-4A04G	15000(1034)	15000(1034)	1.02l/min	3000rpm	No	G1/2"	G1/4"
ELP-4A05G	15000(1034)	15000(1034)	1.4l/min	3000rpm	No	G1/2"	G1/4"
ELP-4A06G	15000(1034)	15000(1034)	2.1l/min	3000rpm	No	G1/2"	G1/4"
ELP-4B03G	15000(1034)	15000(1034)	0.64l/min	3000rpm	Yes	G1/2"	G1/4"
ELP-4B04G	15000(1034)	15000(1034)	1.02l/min	3000rpm	Yes	G1/2"	G1/4"
ELP-4B05G	15000(1034)	15000(1034)	1.4l/min	3000rpm	Yes	G1/2"	G1/4"
ELP-4B06G	15000(1034)	15000(1034)	2.1l/min	3000rpm	Yes	G1/2"	G1/4"
ELP-4A03M	15000(1034)	15000(1034)	0.64l/min	3000rpm	No	1/2"NPT	1/4"MF
ELP-4A04M	15000(1034)	15000(1034)	1.02l/min	3000rpm	No	1/2"NPT	1/4"MF
ELP-4A05M	15000(1034)	15000(1034)	1.4l/min	3000rpm	No	1/2"NPT	1/4"MF
ELP-4A06M	15000(1034)	15000(1034)	2.1l/min	3000rpm	No	1/2"NPT	1/4"MF
ELP-4B03M	15000(1034)	15000(1034)	0.64l/min	3000rpm	Yes	1/2"NPT	1/4"MF
ELP-4B04M	15000(1034)	15000(1034)	1.02l/min	3000rpm	Yes	1/2"NPT	1/4"MF
ELP-4B05M	15000(1034)	15000(1034)	1.4l/min	3000rpm	Yes	1/2"NPT	1/4"MF
ELP-4B06M	15000(1034)	15000(1034)	2.1l/min	3000rpm	Yes	1/2"NPT	1/4"MF

Performance data table showing flow rates and configuration options.

Performance Table

Code	Flow at 1500rpm	Stainless Steel Shell
ELP-4A03N	0.64 l/min	No
ELP-4A04N	1.02 l/min	No
ELP-4A05N	1.4 l/min	No
ELP-4A06N	2.1 l/min	No
ELP-4B03N	0.64 l/min	Yes
ELP-4B04N	1.02 l/min	Yes
ELP-4B05N	1.4 l/min	Yes
ELP-4B06N	2.1 l/min	Yes