

# 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                   |