

Industrial Plunger Valve

The plunger valve features a design composed of a valve body, valve cover, valve stem, and plunger. Rotation of the hand wheel drives the plunger's reciprocating movement, completing the valve's opening and closing function.



Product Overview

Industrial Plunger Valve Functionality

The industrial plunger valve is a robust fluid control solution consisting of a valve body, cover, stem, and plunger mechanism. It operates via a handwheel that drives the plunger in a reciprocating motion to facilitate rapid opening and closing. The design utilizes an interference fit between the plunger and sealing rings, which can be adjusted via gland flange bolts to ensure a tight, leak-proof seal under demanding conditions.

Technical Construction

Key Components

- Valve Body
- Valve Cover
- Valve Stem
- Plunger
- Sealing Ring
- Hand Wheel

Sealing Method

Interference fit between plunger and sealing ring, adjustable via gland flange bolts

Performance

Operational Benefits

Rapid opening/closing, Low operating force, Leak-proof design, Internal/external leakage elimination