

# Inverted Pressure Balanced Lubricated Plug Valve

Inverted pressure balanced lubricated plug valve designed for critical applications requiring reliable shutoff and minimal maintenance. This valve features a pressure-balanced plug, ensuring ease of operation and reduced torque even under high-pressure conditions.



## Product Overview

### Inverted Pressure Balanced Lubricated Plug Valve

This inverted pressure balanced lubricated plug valve is designed for critical pipeline isolation and flow control applications. Engineered to ANSI standards, it offers reliable sealing and excellent performance in demanding industries such as petroleum, chemical processing, pharmaceuticals, and electric power generation. Its unique flip-chip pressure-balanced structure ensures light, efficient on/off operation even under high-pressure conditions.

## Technical Specifications

### Design Features

- Inverted pressure-balanced design for reduced operating torque
- Integrated sealant groove for enhanced sealing capability
- Reliable, high-performance sealing surface
- Customizable material and flange dimensions based on operating conditions

Pressure Rating	Class 150 - 1500 LB
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Operating Temperature	-29 to 180 °C
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## Application & Usage

Applicable Industries	Petroleum, Chemical Industry, Pharmacy, Chemical Fertilizer, Electric Power
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## Operational Notes

### Gear Operation Requirements

Pressure Class	Condition
Class 150	NPS e 4 inch with gear
Class 150	NPS e 12 inch with venturi pattern
Class 300-1500	NPS e 4 inch with gear
Class 300-1500	NPS e 6 inch with venturi pattern