

# High-Pressure Pressure Seal Gate Valve

This high-pressure gate valve is engineered with a pressure seal bonnet for critical service applications. Its robust construction ensures durability and reliable performance in demanding environments.



## ADDITIONAL IMAGES



## Product Overview

### High-Performance Pressure Seal Gate Valve

Engineered for high-pressure and high-temperature critical service applications, this cast steel gate valve features a flexible wedge design to compensate for thermal expansion and piping loads. The pressure seal bonnet ensures absolute joint integrity, while the hardfaced Stellite 6 seating surfaces provide exceptional life cycles under high differential pressure. This valve is designed to resist sticking or binding, offering reliable shutoff and lower operating torque compared to standard gate designs.

## Technical Specifications

Design Standards	API 600, ASME B16.34, GB/T 12234, JB/T3595
Seating Surface Material	Stellite 6 Hardfaced
Seating Angle	9 degrees

## Key Features

### Engineering Highlights

- Flexible one-piece wedge construction
- Pressure seal bonnet for zero leakage
- Fully guided wedge design
- Optional by-pass design available
- Spring-loaded split gate disc

### Operational Advantages

Anti-binding • Thermal expansion compensation • Low operating torque • Self-sealing bonnet