

# Cryogenic Butterfly Valve for Low-Temperature Applications

This butterfly valve is designed for low-pressure pipeline medium switch control. The valve can control air, water, steam, corrosive medium, mud, oil, liquid metal, and radioactive medium flow.



## ADDITIONAL IMAGES



## Product Overview

### Cryogenic Butterfly Valve

This cryogenic butterfly valve is engineered specifically for reliable performance in extreme low-temperature applications. Featuring a robust stainless steel construction with a tight shut-off mechanism, it ensures efficient and leak-proof flow control for critical industrial processes. The design includes versatile operation options, including manual handwheel control and actuator compatibility for automated systems.

## Technical Specifications

### Recommended Torque Safety Factor

**1.5 x**

Max Multiplier

**1.2 x**

Min Multiplier

### Actuator Structure Configurations

Configuration Type	Mechanism Description
Without Thrust Plate	Direct output torque mechanism.
With Thrust Plate	Output torque is converted to output thrust via stem nut.

### Installation Considerations

- Hollow output shaft must exceed stem outer diameter
- Verify stem diameter and keyway dimensions for proper assembly
- Ensure actuator output torque meets operational requirements
- Calculate rotation turns using  $M=H/ZS$  formula

## Design Features

### Operation Modes

Manual Handwheel • Actuator Compatible • Remote Control Ready

### Material & Build

Stainless Steel Body, Cryogenic-Grade Internal Components, Circular Flange Design