

Cast Iron Flanged Ball Check Valve for Water Treatment

This cast iron flanged ball check valve is designed for water treatment applications. It allows flow in one direction only, preventing backflow and ensuring system integrity.



Overview

High-Performance Ball Check Valve

This cast iron flanged ball check valve is engineered for reliable backflow prevention in demanding water treatment environments. It is specifically designed to handle clean water, sewage, and viscous fluids, making it a versatile choice for pumping stations. The robust construction ensures long-term durability and system integrity across a wide range of industrial applications.

Key Performance Metrics

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1.6 MPa

Max Working Pressure

400 DN

Max Size

120 °C

Max Temperature

Technical Specifications

Size Range

- Threaded ends: 1" to 3" (DN25 - DN80)
- Flanged ends: DN40 to DN400

Working Pressure

1.0 MPa, 1.6 MPa

Material & Construction

Body Material Options

Cast Iron GG25 • Ductile Iron GGG40

Sealing Temperature Limits

| Material | Temperature Range |
|----------|-------------------|
| NBR | 0°C to +80°C |
| EPDM | -10°C to +120°C |

Standards & Compliance

Manufacturing Standards

| Category | Standard |
|-----------------|--------------------------------|
| Face to Face | DIN3202 F6, ANSI 125/150 |
| Flange Standard | EN1092-2 PN10/16, ANSI 125/150 |
| Testing | DIN 3230, API598 |

Applications

Primary Applications

- Pumping stations
- Water treatment plants
- Industrial fluid handling

Compatible Media

Freshwater, Seawater, Food stuff, Oil, Sewage water, Viscous fluids