

# Cast Iron Threaded Ball Check Valve

This cast iron ball check valve is designed for pump applications and is available in sizes DN25 to DN80. It prevents backflow in piping systems, ensuring unidirectional flow.



## Overview

### High-Efficiency Ball Check Valve

This cast iron threaded ball check valve is engineered for pumping stations handling clean water, sewage, and viscous fluids. It features a full bore design that ensures large flow capacity with minimal resistance, offering a 50% lower head loss compared to traditional swing check valves. Designed for durability and silent operation, it effectively prevents water hammer and can be installed in both horizontal and vertical orientations.

## Key Performance

### Key Performance Metrics

**50 %**

Lower Head Loss

**80 °C**

Max Temp

## Technical Specifications

Size Range	DN25 - DN80
Working Temperature Range	-10°C to +80°C

## Material Construction

Body Material Options	Cast Iron GG25, Ductile Iron GGG40
-----------------------	------------------------------------

## Design Features

### Operational Advantages

- Silent closing to prevent water hammer
- Full bore flow for maximum efficiency
- Low flow resistance
- Self-cleaning ball mechanism

## Installation & Application

### Installation Orientation

Horizontal • Vertical

### Compatible Media

- Clean Water
- Sewage
- Heavy Thick Liquid
- Viscous Liquid

### Primary Applications

Pumping stations for clean water, sewage, and loaded fluids.