Example Valve Works

# Stainless Steel Ball Valve DN50

**Model:** BV316-050

## Overview

Two-piece flanged ball valve for water, steam condensate and light chemical service. The full-bore ball keeps pressure drop low, and the live-loaded stem seal holds tight through repeated temperature cycles.

## Key features

- Full-bore ball for low pressure drop
- Live-loaded graphite stem seal
- Lockable lever handle
- ISO 5211 mounting pad for actuators

## Technical specifications

| Parameter | Value | Unit |
|---|---|---|
| Nominal size | 50 | mm |
| Face to face length | 230 | mm |
| Flange standard | EN 1092-1 PN16 | |
| Weight | 6.8 | kg |
| Maximum working pressure | 16 | bar |
| Temperature range | -20 to 180 | C |
| Flow coefficient (Kv) | 62 | m3/h |
| Body material | Stainless steel 316 (CF8M) | |
| Seat material | Reinforced PTFE | |
| Actuator mounting | ISO 5211 F07 | |

## Dimensions and weight

**Weight:** 6.8 kg

## Materials

Body and ball: stainless steel 316 (CF8M). Seats: reinforced PTFE. Stem seal: graphite. Handle: carbon steel, zinc plated.

## Certifications

ISO 9001:2015 quality management

## Applications

Isolation of water, condensate, air and mildly corrosive liquids in process and utility lines.

## Ordering information

**Model:** BV316-050

**Part number:** BV-316-050-F

**SKU:** BV316-050

## Revision history

| Version | Date | Notes |
|---|---|---|
| 1 | 2026-10-06 | |

Example Valve Works

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