

Low Pressure Ball Valve - V02 Series

FEATURES

- Floating ball design provides bi-directional isolation
- PTFE Packing (other materials available upon request)
- Anti-blowout stem design
- Supplied with wetted parts according to NACE MR0175/MR0103
- 316 Stainless Steel construction

TYPICAL USES

- Oil & Gas Industry
 - Upstream: Onshore/offshore production
 - Midstream: Transport, storage and natural gas compression
 - Downstream: Refineries and petrochemical industries
- Chemical Industry
- Power Plants
 - Conventional power plants
 - Flue gas desulfurization plants
- Other Industries
 - Waste incineration plants
 - Seawater desalination plants
 - Steel mills
 - Cement plants



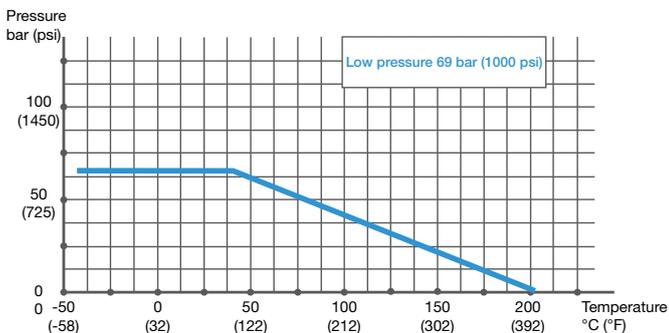
Style B
Ball Valve

KEY BENEFITS

- 90° turn opens or closes valve quickly
- 10 mm bore hole
- Available for oxygen service
- PTFE Packing (other materials available upon request)
- Supplied with wetted parts according to NACE MR0175/MR0103 (CD-5 Certificate)
- Material traceability reports available per EN 10204 3.1

SPECIFICATIONS

Process Connection:	1/2 NPT Female
Instrument Connection:	1/2 NPT Female
Construction:	Stainless Steel 316 (1.4408)
Max. Pressure Rating (PTFE):	69 bar at 40 °C 1000 psi at 104 °F
Max. Temperature Rating (PTFE):	200 °C at 0 bar / atmospheric pressure
Min. Temperature Rating:	PTFE and Graphite Packing -40 °C (-40 °F)



COMPONENTS

MATERIAL

Wetted

Body	ASTM A351 Gr. CF8M (316 - 1.4408)
Cap	ASTM A351 Gr. CF8M (316 - 1.4408)
Ball	ASTM A351 Gr. CF8M (316 - 1.4408)
Stem	316/316L (1.4401/1.4404)
Ball seat	PTFE
Thrust washer	PTFE
Packing	PTFE

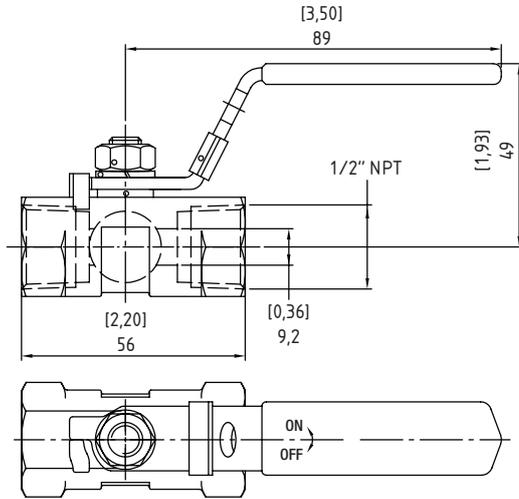
Non-Wetted

Washer	304 (1.4301)
Spring washer	304 (1.4301)
Hex nut	304 (1.4301)
Handle	304 (1.4301)
Handle grip	Vinyl
Locking plate	304 (1.4301)

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DIMENSIONS IN MM [INCH]

For reference only, consult Ashcroft for specific dimensional drawings



ORDERING CODE EXAMPLE: 50 V02 BV B SS 50 C3

Process Connection

50 1/2 NPT Female

Series Code

V02 Valve Series V02

Valves

BV Ball Valve

Version

B Low Pressure Ball Valve

Material

SS Stainless steel according ASTM A351 Gr. CF8M (316/1.4408)

Instrument Connection

50 1/2 NPT Female

Options (If choosing an option(s) must include a "X")

C3 Material Traceability Report acc. to EN 10204 3.1

CD5 Certificate according to NACE for Oilfields MR0175/ISO 15156-2009 and for Refineries MR0103-2010

MQ Positive Material Identification (PMI-Test)

W9 Hydrostatic Testing

6B Cleaned for Oxygen Service

NH Stainless Steel Tags

