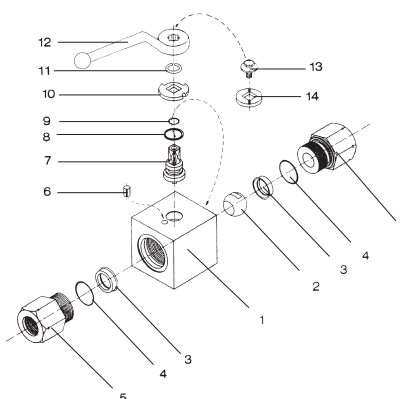


High-Pressure Block Body Ball Valve ■ Type BBV-2

A



List of Components

No.	Qty.	Description
1	1	Housing
2	1	Ball
3*	2	Seat
4*	2	Connector O-Ring
5	2	Connector
6	1	Stop Pin
7	1	Stem
8*	1	Thrust Ring
9*	1	Stem O-Ring
10	1	Cam Plate
11	1	Snap Ring
12	1	Lever
13	1	Stem Screw
14	1	Flow Indicator

Characteristics

Two-way high-pressure block body ball valves designed for use as on/off devices for hydraulic applications

Standard Construction

- Block body design for in-line assembly
- Supplied with off-set lever

Standard Materials

- Body: Carbon Steel, zinc/iron-plated
- Ball: Carbon Steel, hard chrome-plated
- Stem: Carbon Steel
- Lever: Zinc (STAUFF Sizes 02 to 08)
Aluminium (STAUFF Size 10)
Carbon Steel (STAUFF Sizes 12 to 24R)
- Ball seat: Delrin® (POM)
- O-rings: FKM (Viton®)

Standard Connections Styles / Sizes

- Female BSP thread (DIN ISO 228) >G 1-1/2 BSP
- Female NPT thread (ANSI B1.20.1) >1-1/2–11-1/2 NPT
- Female UN/UNF thread (SAE J 514) >1-7/8–12 UN (1-1/2" SAE)
- Male ORFS Connection (ISO 8434-3) >1-11/16–12 UN
- 24° Cone Connection (DIN 2353 / ISO 8434-1) >42L
- 24° Cone Connection (DIN 2353 / ISO 8434-1) >38S

Pressure Range

- Pressure range: up to 500 bar / 7250 PSI (depending on size and material combination of the ball valve)

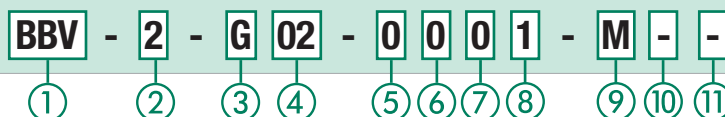
Temperature Range

- Operating temperature range:
-20 °C ... +100 °C / -4 °F ... +212 °F

Options / Accessories

- Alternative lever designs/materials (see page 114)
- Locking devices (see pages 115-117)
- Actuator packages (see page 118)
- Limit switches (see page 118)
- Additional assembling threads / holes (see page 119)
- Stainless Steel body
- Stainless Steel ball and stem
- Special ball seat and O-ring materials available for lower/higher temperatures and more aggressive media
- Seal kits (including items marked by * in the above list)

Order Codes



① Type

High-Pressure Block Body Ball Valve **BBV**

② Number of Ports

Two Ports (Two-Way Ball Valve) **2**

③ Connection Style

Female BSP Thread (DIN ISO 228) **G**
 Female NPT Thread (ANSI B1.20.1) **N**
 Female UN/UNF Thread (SAE J 514) **U**
 Male ORFS Connection (ISO 8434-3) **ORFS**
 24° Cone Connection (Light / Heavy Series) **—**

Please contact STAUFF for alternative connection styles.

④ Connection Size

STAUFF Size (according to dimension table)
for connection styles G, N, U and ORFS:
02 04 06 08 10 12 16 20R 24R
 Tube Size (according to dimension table)
for 24° Cone Connection (Light Series):
06L 08L 10L 12L 15L 18L 22L 28L 35L 42L
 Tube Size (according to dimension table)
for 24° Cone Connection (Heavy Series):
06S 08S 10S 12S 14S 16S 20S 25S 30S 38S

Please contact STAUFF for alternative connection sizes.

⑤ Body Material / Surface Finishing

Carbon Steel, zinc/iron-plated **0**
 Carbon Steel, zinc/nickel-plated **8**
 Stainless Steel V4A (AISI 316Ti) **1**

Note: Stainless steel version may vary in dimensions and design.
 Alternative materials / surface finishings are available upon request. Contact STAUFF for further information.

⑥ Ball / Stem Material

Ball: Carbon Steel, hard chrome-plated **0**
 Stem: Carbon Steel **0**
 Ball / Stem: Stainless Steel V4A (AISI 316Ti) **1**
 Ball: Brass, hard chrome-plated **2**
 Stem: Carbon Steel **2**

Alternative materials / surface finishings are available upon request. Contact STAUFF for further information.

⑦ Ball Seat Material

Delrin® (POM) **0**

Alternative materials are available upon request.
 Contact STAUFF for further information.

⑧ O-Ring Material

NBR (Buna-N®) **0**
 FKM (Viton®) **1**
 EPDM **3**

Alternative materials are available upon request.
 Contact STAUFF for further information.

⑨ Manufacturing Code

Manufacturing code for all connection style **M**
 Manufacturing code for high-pressure version
 of connection styles G, N and U (STAUFF Size 16) **H**

⑩ Lever Options

Supplied with standard lever (according to table) **—**
 Supplied without lever **0**

Alternative levers can be ordered separately.
 Please see page 114 for further information.

⑪ Accessories / Options

Supplied without accessories **—**
 Supplied with Locking Device LD1 **LD1**
 Supplied with Locking Device LD2 **LD2**
 Supplied with Locking Device LD3 **LD3**
 Supplied with Locking Device LD4 **LD4**

Please see page 115-119 for further information and options.