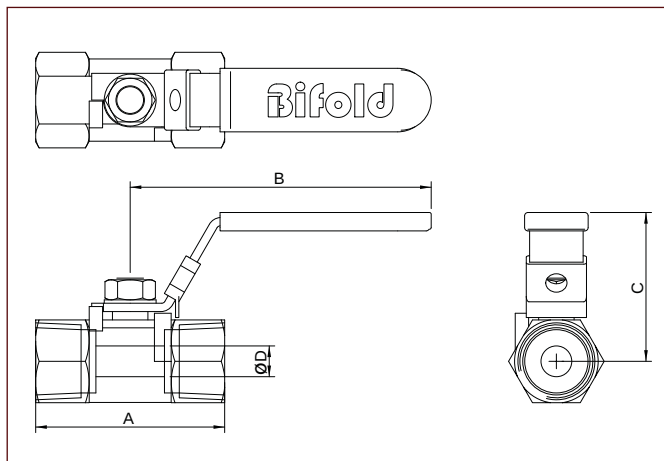


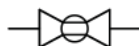
BV01



Typical GA Drawing



SCHEMATIC



BV01 - SELECTION TABLE

Product Code	Size	Rated	Cv (US Gallon)	'A' (mm)	'B' (mm)	'C' (mm)	Ø 'D' (mm)	Weight (Kg)
BV0104F025TTIKLK-N	1/4" NPT	1,000 psi / 70 bar	2.5	40.0	71.0	35.0	5.0	0.07
BV0108F029.2TTIKLK-N	1/2" NPT	1,000 psi / 70 bar	4.8	57.0	95.0	44.0	9.2	0.16
BV0112F0212.5TTIKLK-N	3/4" NPT	1,000 psi / 70 bar	9.5	59.0	95.0	48.0	12.5	0.25
BV0116F0215TTIKLK	1" NPT	1,000 psi / 70 bar	14.0	71.0	103.0	50.0	15.0	0.43
BV0132F0232TTIKLK	2" NPT	1,000 psi / 70 bar	58.0	100.0	127.0	74.5	32.0	1.50

Product Description

A 1,000 psi / 70 bar rated single isolation ball valve, designed to give bubble tight shut off through 90° operation across the full operating temperature range. Totally enclosed soft seats offer both positive sealing and low operating torques.

Features & Benefits

- Single piece body design reducing leak paths.
- Bi-directional.
- Precision machined stainless steel ball.
- PTFE seating to the ball.
- Lockable handle as standard.
- Compact design to save space and weight.
- Bubble tight shut-off.

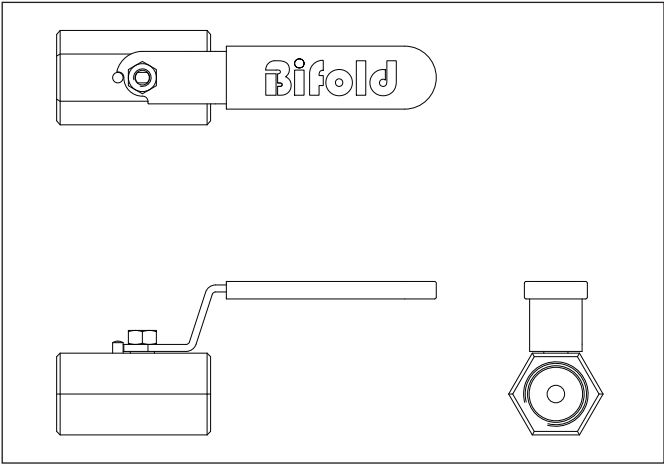
Technical Data

Material grade - ASTM A351 CF8M stainless steel body (standard).
Operating temperature range -20°C to +200°C.

BV01



Typical GA Drawing



SCHEMATIC



BV01 - SELECTION TABLE

Product Code	Size	Rated	Cv (US Gallon)	Flow Rate @ 10bar DP (l/min water)
BV0104F025ERV6K	1/4" Female NPT	6,000 psi / 414 bar	1.9	86.0
BV0104F025ERV10K	1/4" Female NPT	10,000 psi / 690 bar	1.9	86.0
BV0106F025ERV6K	3/8" Female NPT	6,000 psi / 414 bar	1.9	86.0
BV0106F025ERV10K	3/8" Female NPT	10,000 psi / 690 bar	1.9	86.0

Product Description

A single isolate ball valve with pressures rated up to 10,000 psi / 690 bar. The single isolating ball valve is designed to give bubble tight shut off through 90° operation across the full operating temperature range of the valve. Totally enclosed soft seats offer both positive sealing and low operating torques.

Features & Benefits

- Single piece body design reducing leak paths.
- Anti-blow out stem internally loaded.
- Bi-directional.
- Precision machined stainless steel ball.
- Compact design to save space and weight.
- Full material traceability and individual serial number stamped on the valve.
- O-Ring Stem & body seals.
- Thread milled connections for improved sealing.
- In compliance with NACE MR-01-75 / ISO 15156 as standard.
- Bubble tight shut-off.
- Low operating torque.
- Pressure energised stem sealing.

Technical Data

Material grades - UNS S31600 / S31603 stainless steel (standard). See selection table on page 15 for alternative materials.

BV01



BV01 Selection Chart - Ordering Example

BV01 Single Isolation Ball Valve		Model Code
04F	1/4" Female NPT	Nominal Pipe Size & Connection Type
06F	3/8" Female NPT	
02	UNS S31600 / S31603 Stainless Steel (Standard)	Material
26	F51 / UNS S31803 Duplex	
38	LF2 / Carbon Steel	
39	F55 / UNS S32760 Super Duplex	
5	Standard	Series
T	Glass Filled PTFE (1,000 psi / 70 bar Maximum Cold Working Pressure)	Seat Material
E	PEEK (10,000 psi / 690 bar Maximum Cold Working Pressure)	
RS	RTFE / Nitrile	Seal Arrangement Stem and Body
RV	RTFE / Viton	
RV9	RTFE / V91A	
RE9	RTFE / E985	
1K	1,000 psi / 70 bar Maximum Cold Working Pressure	Pressure Rating
6K	6,000 psi / 414 bar Maximum Cold Working Pressure	
10K	10,000 psi / 690 bar Maximum Cold Working Pressure	
NO LETTER	Standard F.A.T.	F.A.T. Options
-NT	Nitrogen F.A.T. (For Gas Service)	

BV0104F 02 5 E RS 6K -NT

Ordering Example

Other options may be available upon request. For more information, please contact Bifold sales department.