



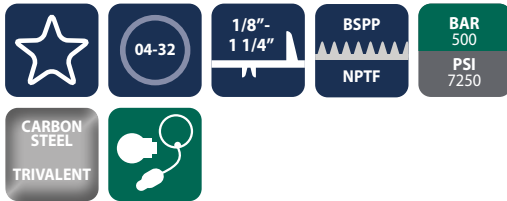
## Three and four way high-pressure ball valves

### BVC3, BVC4



#### INTRODUCTION

Holmbury's BVC3 and BVC4 Series high-pressure ball valves are designed to suit a wide range of applications. These valves should not be used as flow control valves and should therefore always be fully open or closed.



#### CONSTRUCTION

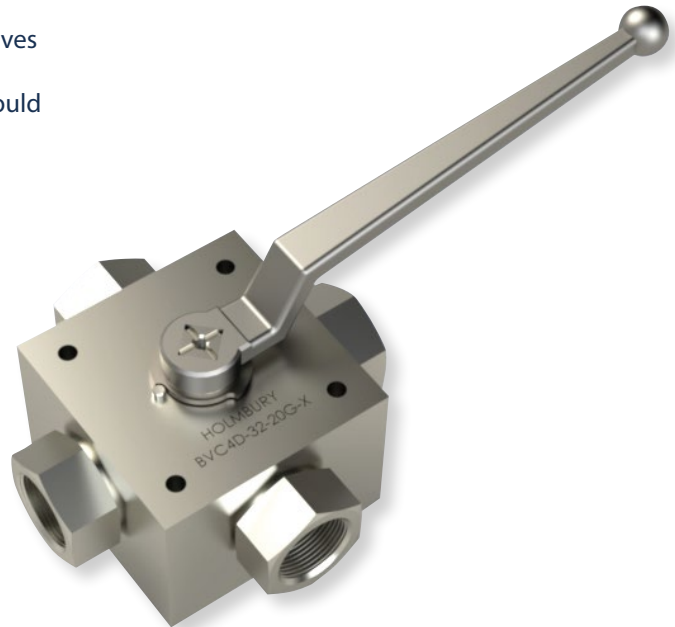
- Carbon steel body with trivalent plating
- Zinc alloy handle
- Forged steel option available
- Fitted with NBR and POM seals as standard
- Also available in AISI 316 stainless steel (See BVS3, BVS4 Series)

#### FEATURES

- Floating ball design maximises sealing
- Full bore valves provide unrestricted flow path for negligible pressure drop
- Open to close in 1/4 turn
- Offset handle allows clearance for easy operation

#### ACCESSORIES

- Valve locking kits and valve handles are available for the BVC3, BVC4 Series



#### SPECIFICATIONS

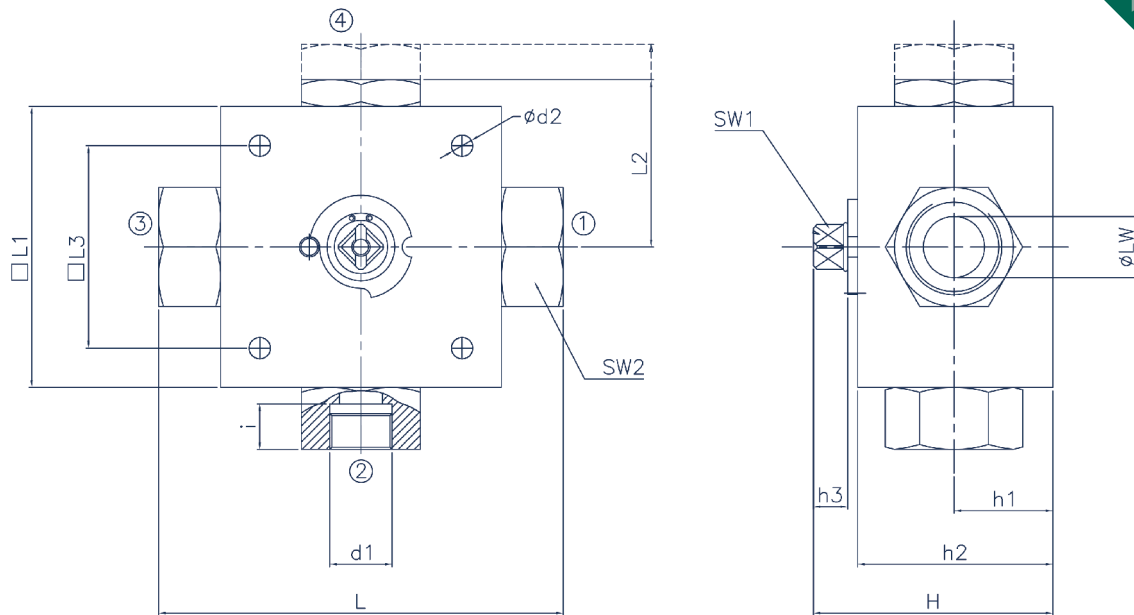
- Operating temperatures (With NBR seals): -40°C (-40°F) to 106°C (223°F)
- BVC3 - Ball Valve - Square Body (DN04-32)
- BVC4 - Ball Valve - Square Body (DN04-32)

#### APPLICATIONS

- Construction
- Mobile Hydraulics
- Test Equipment
- Machine Tools
- General Hydraulics
- Agricultural

#### BVC3/4 PERFORMANCE CHARACTERISTICS

Body Size	BVC304 BVC404	BVC306 BVC406	BVC310 BVC410	BVC312 BVC412	BVC319 BVC419	BVC325 BVC425	BVC332 BVC432
	Pressure in bar - Flow in LPM Pressure in PSI - Flow in GPM						
Maximum working pressure	500 7250	500 7250	500 7250	500 7250	315 4568	315 4568	315 4568
Burst pressure	2000 29000	2000 29000	2000 29000	2000 29000	1260 18270	1260 18270	1260 18270
Rated flow	3 0.8	12 3.2	23 6.1	45 12	100 26.4	189 50	250 66



### Part Number Example

Part Number Example	
BVC3D-12-08G-T	Configuration: 3 Way Ball Valve
	Pattern Type: 3D
	DN: 12
	Thread: 1/2 BSPP
	Ball Symbol: T

Ball Symbol
L
T
X

### Pattern Type

Pattern Type (See Drawing)	Description
3A	3 Way Ball Valve L Type - Reversing - 45 Deg Closure
3B	3 Way Ball Valve T Type - Reversing - 45 Deg Closure
3C	3 Way Ball Valve T Type 90 Deg - Reversing
3D	3 Way Ball Valve T Type 180 Deg - Reversing
3E	3 Way Ball Valve T Type 180 Deg - Reversing
3F	3 Way Ball Valve T Type 180 Deg - Reversing
4A	4 Way Ball Valve L Type 180 Deg - Reversing
4B	4 Way Ball Valve T Type 90 Deg - Reversing
4C	4 Way Ball Valve T Type 180 Deg - Reversing
4D	4 Way Ball Valve X Type 90 Deg - Reversing

### ISO 228/ Female

Part Number * add Pattern Type and Ball Symbol (See Above)	DN	LW			d1	d2	i	L	L1	L2	L3	H	h1	h2	h3	SW1	SW2
		L	T	X													
BVC_-04-02G-__	04	5	5	4.5	G1/8	6.5	10	100	70	42.5	55	57	22	40	11	12	24
BVC_-06-04G-__	06	5	5	4.5	G1/4	6.5	14	100	70	42.5	55	57	22	40	11	12	24
BVC_-10-06G-__	10	9	9	7	G3/8	6.5	14	115	80	46	65	68	27	50	12	14	30
BVC_-12-08G-__	12	12	12	10	G1/2	9	16	135	100	56	80	78	31	60	12	14	36
BVC_-19-12G-__	19	18	18	14	G3/4	9	18	144	100	58	85	93.5	36	73	14	17	46
BVC_-25-16G-__	25	23	23	17	G1	9	20.5	172	118	68.5	85	102.5	47.5	82	14	17	50
BVC_-32-20G-__	32	23	23	17	G1 1/4	9	22	180	118	68.5	85	102.5	47.5	82	14	17	55

For all other configurations or thread types please contact the sales office.  
Further technical information and 3D CAD models available from our sales office.

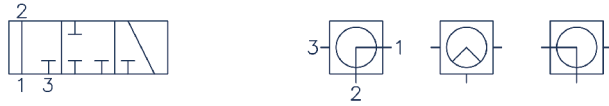




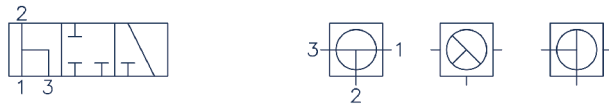
## Three and four way high-pressure ball valves

### Pattern Type

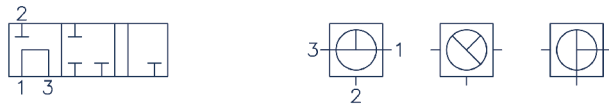
Pattern Type 3A : 3 Way Ball Valve L Type – Reversing – 45 Deg Closure



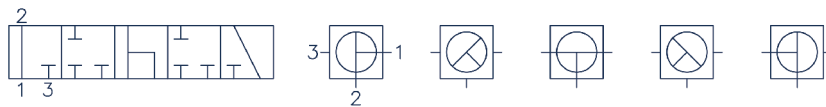
Pattern Type 3B : 3 Way Ball Valve T Type – Reversing – 45 Deg Closure



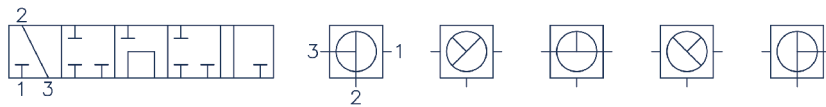
Pattern Type 3C : 3 Way Ball Valve T Type 90 Deg – Reversing



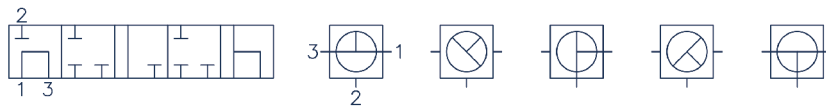
Pattern Type 3D : 3 Way Ball Valve T Type 180 Deg – Reversing



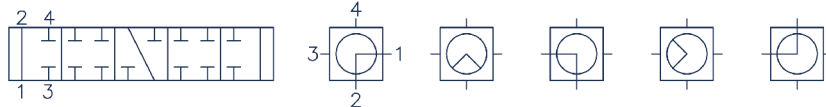
Pattern Type 3E : 3 Way Ball Valve T Type 180 Deg – Reversing



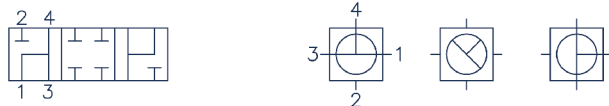
Pattern Type 3F : 3 Way Ball Valve T Type 180 Deg – Reversing



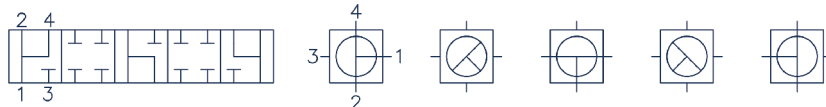
Pattern Type 4A : 4 Way Ball Valve L Type 180 Deg – Reversing



Pattern Type 4B : 4 Way Ball Valve T Type 90 Deg – Reversing



Pattern Type 4C : 4 Way Ball Valve T Type 180 Deg – Reversing



Pattern Type 4D : 4 Way Ball Valve X Type 90 Deg – Reversing

