



Two-way high-pressure ball valves

BVC2 ISO 6162 (SAE Flanged Port 61/62)



INTRODUCTION

Holmbury's BVC2 Series two-way 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 BVS2 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 BVC2 Series

SPECIFICATIONS

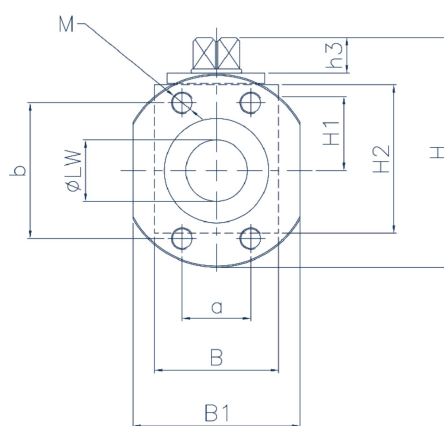
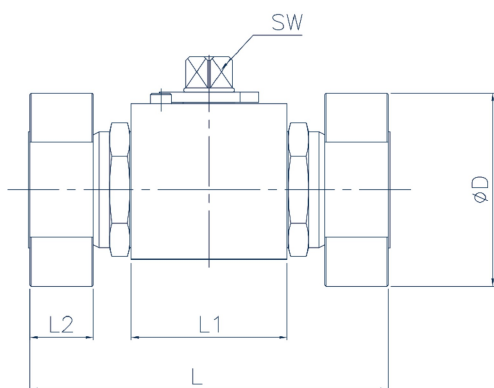
- Operating temperatures (With NBR seals): -40°C (-40°F) to 106°C (223°F)
- BVC2 - Ball Valve - Square Body (DN12-25)
- BVC2(O) - Ball Valve - Octagonal Body (DN32-65)

APPLICATIONS

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

BVC2 PERFORMANCE CHARACTERISTICS

Body Size	BVC212		BVC219		BVC225		BVC232		BVC240		BVC250		BVC265	
	FP1	FP2	FP1	FP2	FP1	FP2	FP1	FP2	FP1	FP2	FP1	FP2	FP1	FP2
	Pressure in bar - Flow in LPM Pressure in PSI - Flow in GPM													
Maximum working pressure	210	420	210	315	210	315	210	350	210	350	210	350	175	315
	3046	6092	3046	4569	3046	4569	3046	5076	3046	5076	3046	5076	2538	4569
Burst pressure	840	1680	840	1260	840	1260	840	1400	840	1400	840	1400	700	1260
	12183	24366	12183	18275	12183	18275	12183	20305	12183	20305	12183	20305	10153	18275
Rated flow	45	45	100	100	189	189	250	250	379	379	757	757	1560	1560
	12	12	26.4	26.4	50	50	66	66	100	100	200	200	416	416

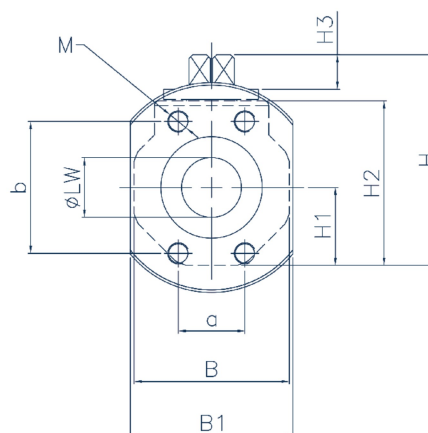
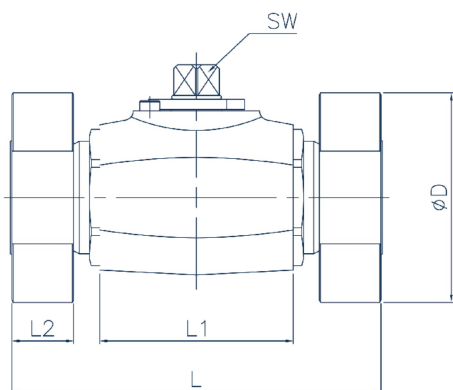


SAE FLANGED PORT ISO 6162-1

Part Number	LW	L	L1	L2	D	B	B1	H	H1	H2	h3	a	b	M	SW
BVC2-12-FP1	12	120	48	16	57	35	46	52.5	17	40	8	17.5	38.1	M8	9
BVC2-19-FP1	19	136	60	18	70	48	52	75	24	57	12	22.2	47.6	M10	14
BVC2-25-FP1	25	148	65	19	77	57	62	82	28.5	64	12	26.2	52.4	M10	14

SAE FLANGED PORT ISO 6162-2

Part Number	LW	L	L1	L2	D	B	B1	H	H1	H2	h3	a	b	M	SW
BVC2-12-FP2	12	120	48	22	61	35	48	52.5	17	40	8	18.2	40.5	M8	9
BVC2-19-FP2	19	136	60	23	76	48	60	75	24	57	12	23.8	50.8	M10	14
BVC2-25-FP2	25	148	65	27	86	57	70	82	28.5	64	12	27.8	57.2	M12	14



SAE FLANGED PORT ISO 6162-1

Part Number	LW	L	L1	L2	D	B	B1	H	H1	H2	h3	a	b	M	SW
BVC2(O)-32-M10-FP1	30	172	84	21	87	82	74	108	41	87.5	14	30.2	58.7	M10	17
BVC2(O)-32-M12-FP1	30	172	84	21	87	82	74	108	41	87.5	14	30.2	58.7	M12	17
BVC2(O)-40-FP1	38	177	91	24	103	93	86	119.5	46.5	99	14	35.7	69.8	M12	17
BVC2(O)-50-FP1	48	196	100	25	117	110	98	135.5	55	115	14	42.9	77.8	M12	17
BVC2(O)-50/65-FP1	48	196	100	25	128	110	114	135.5	55	115	14	50.8	88.9	M12	17
BVC2(O)-65-FP1	60	260	110	25	128	137	114	154	68.5	133.5	14	50.8	88.9	M12	17

SAE FLANGED PORT ISO 6162-2

Part Number	LW	L	L1	L2	D	B	B1	H	H1	H2	h3	a	b	M	SW
BVC2(O)-32-FP2	30	172	84	32	103	82	78	78	41	87.5	14	31.8	66.7	M14	17
BVC2(O)-40-FP2	38	177	91	32	120	93	96	96	46.5	99	14	36.5	79.4	M16	17
BVC2(O)-50-FP2	48	196	100	34	145	110	114	114	55	115	14	44.5	96.8	M20	17
BVC2(O)-65-FP2	60	280	110	45	195	145	150	150	72.5	137.5	14	58.7	123.8	M24	17