



Two-Way Valves BBV 29 Series - Direct Mount SAE Flange

**Specifications - Dual Pattern Code 61 and Code 62**

- ½" – 2" Direct Mount
- Delrin +MoS2 Ball Seats
- Viton O-Rings
- Steel Handle
- Direct Mount Eliminates Threads in Fluid Flow
- Machined Body Parts for Reduced Torque Operation.
- Pressure Range: Up to 6000 PSI (400 bar)
- Temperature Range: -30°F to 212°F (-34°C to 100°C)
- Carbon Steel Construction
- Zinc Plated Body



**Options**

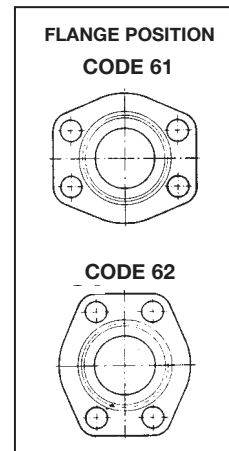
- Flange Kits Available (see page A39)
- Stainless Steel
- Locking Kits
- Limit Switches
- Actuator Packages Available
- Special Seat and "O"-Ring Materials Available for Higher Temperatures or More Aggressive Media

**Technical Information**

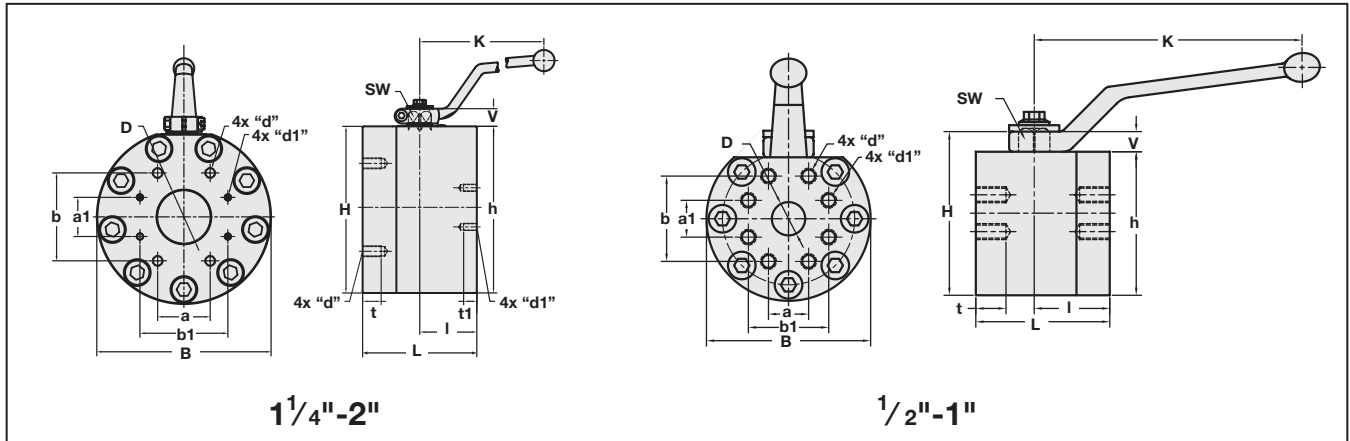
Item Number	Quantity	Description
1	1	Housing
2	1	Ball
3*	2	Seat
4*	1	Cover O-Ring
5	7 to 9**	Cover Screws
6	1	Cover
7	1	Stop Pin
8	1	Stem
9*	1	Thrust Ring
10*	1	Stem O-Ring
11*	1	Back-up Ring
12	1	Cam Plate
13	1	Snap Ring
14	1	Handle
15	1	Nut
16	1	Screw

\*Included in Seal Kit  
\*\* DEPENDING ON VALVE SIZE

Size	Part Number	Maximum Working Pressure	
		PSI	Bar
1/2"	CODE 61	5000 PSI	345
	CODE 62	6000 PSI	420
3/4"	CODE 61	5000 PSI	345
	CODE 62	6000 PSI	420
1"	CODE 61	5000 PSI	345
	CODE 62	6000 PSI	420
1 1/4"	CODE 61	4000 PSI	275
	CODE 62	6000 PSI	420
1 1/2"	CODE 61	3000 PSI	210
	CODE 62	6000 PSI	420
2"	CODE 61	3000 PSI	210
	CODE 62	6000 PSI	420



## Dimensional Information



Size	D		L		I		B		H		h		V		SW		K		a		b		a1		b1	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
1/2"	0.59	15	2.95	75	1.38	35	3.46	88	3.46	88	1.22	31	0.51	13	.47	12	6.3	160	0.72	18	1.59	40	0.69	18	1.50	38
3/4"	0.79	20	3.15	80	1.38	35	3.86	98	3.94	100	1.44	37	0.55	14	.55	14	6.3	160	0.94	24	2.00	51	0.87	22	1.87	48
1"	0.98	25	3.46	88	1.50	38	4.65	118	4.45	113	1.56	40	0.55	14	.55	14	6.3	160	1.03	26	2.06	52	1.09	28	2.25	57
1 1/4"	1.26	32	3.94	100	1.97	50	5.71	145	6.22	158	2.68	68	0.67	17	.67	17	11.81	300	1.25	32	2.63	67	1.19	30	2.31	59
1 1/2"	1.50	38	4.33	110	2.17	55	6.50	165	7.01	178	3.07	78	0.67	17	.67	17	11.81	300	1.44	37	3.13	80	1.40	36	2.75	70
2"	1.89	48	4.57	116	2.28	58	7.80	198	8.27	210	3.70	94	0.67	17	.67	17	11.81	300	1.75	44	3.81	97	1.69	43	3.06	78

Size	UNC Thread d	UNC Thread d1	t		t <sub>1</sub>		Weight	
			in	mm	in	mm	lb	kg
1/2"	5/16"	5/16"	0.71	18	-	-	5.50	2.50
3/4"	3/8"	3/8"	0.71	18	-	-	8.58	3.90
1"	7/16"	3/8"	0.79	20	-	-	13.20	6.00
1 1/4"	1/2"	7/16"	0.87	22	0.87	22	25.52	11.60
1 1/2"	5/8"	1/2"	0.75	19	0.94	24	35.64	16.20
2"	3/4"	1/2"	0.75	19	1.10	28	54.78	24.90

## Ordering Information

