

Specifications

- Block Body, High Pressure Shut-off Valves
- 1/8"-1" Fully Ported-(1 1/4" & 1 1/2" with reduced bore)
- NPT, BSP or SAE O-Ring Connectors
- Delrin +MoS2 Ball Seats
- Viton O-Ring
- Pressure Range: Up to 7250 PSI (500 bar) (depending on material combination and size)
- Standard Carbon Steel Construction
- Standard Temperature Range: -20°F to 212°F (-17°C to 100°C)
- Zinc Plated Body
- Hard Chrome Plated Steel Ball



Options

- Locking Kits
- Limit Switch
- Actuator Packages Available
- Straight Handles
- Stainless Steel Body
- Stainless Steel Ball and Stem
- Special seat and "O"-Ring materials available for higher temperatures or more aggressive media.

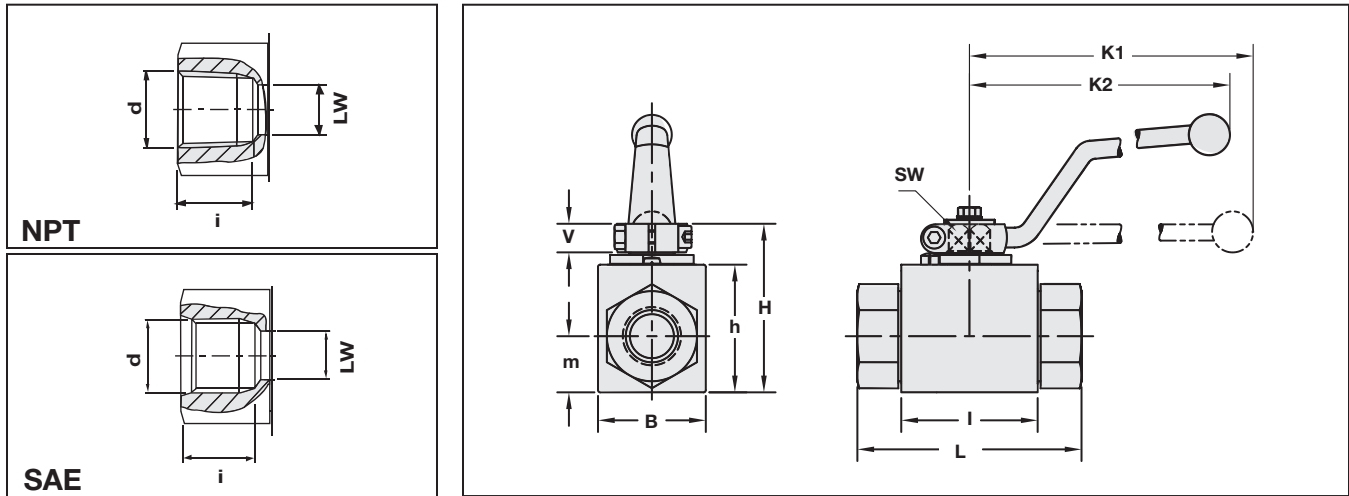
Technical Information

Item Number	Quantity	Description
1	1	Housing
2	1	Ball
3*	2	Seat
4*	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	Handle
13	1	Stem Screw
14	1	Flow Indicator

*Included in Seal Kit

Size	Part Number	Maximum Working Pressure		Size	Part Number	Maximum Working Pressure			
		PSI	Bar			PSI	Bar		
1/8"	NPT	BBV20020001K	7250 PSI	500	3/4"	NPT	BBV20120001K	6000 PSI	410
	SAE	BBV21020001M	7250 PSI	500		SAE	BBV21120001M	6000 PSI	410
1/4"	NPT	BBV20040001K	7250 PSI	500	1"	NPT	BBV20160001K	5000 PSI	345
	SAE	BBV21040001M	7250 PSI	500		SAE	BBV21160001M	5000 PSI	345
3/8"	NPT	BBV20060001K	7250 PSI	500	1"	NPT	BBV20160001H	6000 PSI	420
	SAE	BBV21060001M	7250 PSI	500		SAE	BBV21160001H	6000 PSI	420
1/2"	NPT	BBV20080001K	7250 PSI	500					
	SAE	BBV21080001M	7250 PSI	500					

Dimensional Information



Size	d		i		L NPT / SAE	LW		I	B	H	h	m	V	SW	K1	K2	Weight		
	NPT	SAE	NPT	SAE		NPT	SAE										in	mm	in
1/8"	1/8-27	3/16-24	0.51				0.24		1.57	1.02	1.85	1.30	0.53	0.43	0.35	5.91	4.53	0.50	
					12.95			6.10	0.2	39.88	25.91	46.99	33.02	13.46	10.92	9	150.11	115.06	
1/4"	1/4-18	3/8-20	0.67	0.55	2.72		0.24	0.2	1.57	1.02	1.85	1.30	0.53	0.43	0.35	5.91	4.53	0.66	
					17.02	13.97		6.10	5.08	39.88	25.91	46.99	33.02	13.46	10.92	9	150.11	115.06	
3/8"	3/8-18	3/8-18	0.69	0.61	2.83		0.39	0.39	1.69	1.26	2.05	1.50	0.69	0.43	0.35	5.91	4.53	1.10	
					17.53	15.49		10.00	10.00	42.93	32.00	52.07	38.10	17.53	10.92	9	150.11	115.06	
1/2"	1/2-14	3/4-16	0.62	0.69	3.27		0.51	0.51	1.89	1.38	2.13	1.57	0.75	0.43	0.35	5.91	4.53	1.65	
					15.80	17.53		13.00	13.00	48.01	35.05	54.10	39.88	19.05	10.92	9	150.11	115.06	
3/4"	3/4-14	1 1/8-12	0.71	0.91	3.74		0.79	0.79	2.44	1.93	2.95	2.24	0.96	0.55	0.55	7.87	6.73	3.65	
					18.00	23.11		20.00	20.00	61.98	49.02	74.93	56.90	24.38	13.97	14	199.90	171	
1"	1-11 1/2	1 1/2-12	1.09	0.79	4.45		0.98	0.98	2.60	2.28	3.27	2.56	1.16	0.55	0.55	7.87	6.30	5.06	
					27.69	20.00		25.00	25.00	66.04	57.91	83.06	65.02	29.46	13.97	14	199.90	160	
1"H	1 1/2-11 1/2	1 1/2-12	0.79	0.79	4.45		0.98	0.98	2.91	2.75	3.46	2.75	1.36	0.55	0.55	7.90	6.30	5.50	
					20.00	20.00		113.00	25.00	25.00	74.00	70.00	88.00	70.00	34.50	14.00	14	200	160

Ordering Information

