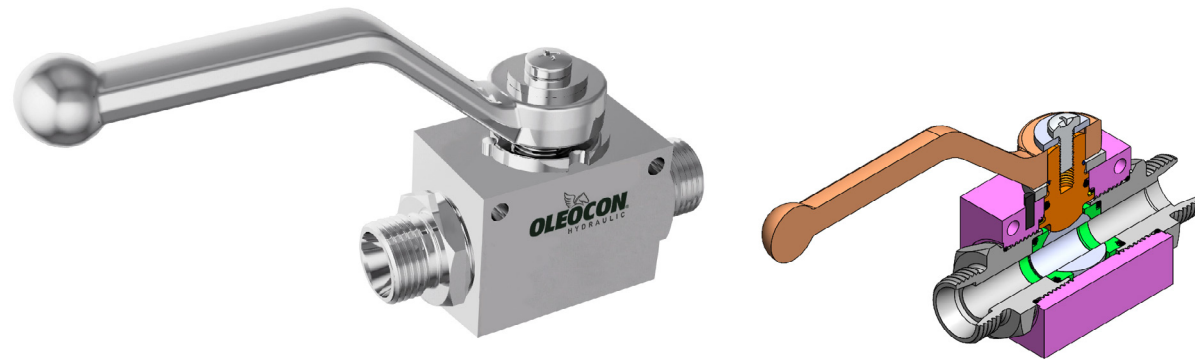


# BALL VALVES - KV2 SERIES

## METRIC



[CLICK HERE FOR 3D SECTION](#)

### TECHNICAL FEATURES AND OPTIONS



**Working Temperature**  
-20 °C / +80 °C



**Material**  
High Strength  
Carbon Steel  
Stainless Steel



**Operating Pressure**  
Up to 500 Bar



**Available Threads**  
BSP - NPT - SAE - Metric



**Body Sizes**  
DN10-25

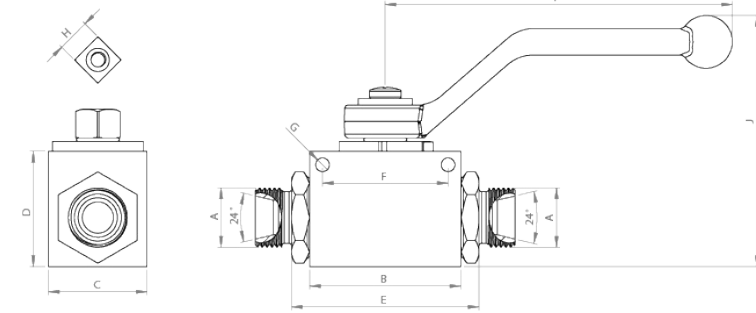


**Sealing Description**  
NBR - FKM - PTFE - EPDM

### MAIN APPLICATIONS



### TECHNICAL DRAWING



SIZE DN	DESCRIPTION	A	B		C		D		E		F		G		H		I		J		WEIGHT	
			mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	kg	inch
10	KV2-10-6L	M12*1.5	46	1.81	30	1.18	35	1.37	78	3.07	38	1.49	4.2	0.16	10	0.39	108	5.74	76	2.99	0.40	0.88
	KV2-10-8L	M14*1.5	46	1.81	30	1.18	35	1.37	78	3.07	38	1.49	4.2	0.16	10	0.39	108	5.74	76	2.99	0.42	0.93
	KV2-10-10L	M16*1.5	46	1.81	30	1.18	35	1.37	80	3.14	38	1.49	4.2	0.16	10	0.39	108	5.74	76	2.99	0.43	0.95
	KV2-10-12L	M18*1.5	46	1.81	30	1.18	35	1.37	80	3.14	38	1.49	4.2	0.16	10	0.39	108	5.74	76	2.99	0.41	0.91
12.5	KV2-12-15L	M22*1.5	51	2	35	1.37	40	1.57	89	3.5	41.5	1.63	5	0.19	10	0.39	108	7.48	82	3.22	0.60	1.33
	KV2-12-18L	M26*1.5	51	2	35	1.37	40	1.57	89	3.5	41.5	1.63	5	0.19	10	0.39	108	7.48	82	3.22	0.61	1.35
20	KV2-20-22L	M30*2	61	2.4	45	1.77	55	2.16	95	3.74	50	1.96	6.5	0.25	14	0.55	175	8.7	110	4.33	1.25	2.77
	KV2-25-28L	M36*2	71	2.79	55	2.16	60	2.36	131	5.15	58	2.28	6.5	0.25	14	0.55	175	9.17	114	4.48	1.36	3.01
25	KV2-25-35L	M45*2	71	2.79	55	2.16	60	2.36	133	5.23	58	2.28	6.5	0.25	14	0.55	175	9.44	114	4.48	1.95	4.32
	KV2-25-42L	M52*2	71	2.79	55	2.16	60	2.36	148	5.82	58	2.28	6.5	0.25	14	0.55	175	9.56	114	4.48	2.45	5.43

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SIZE DN	DESCRIPTION	A	B		C		D		E		F		G		H		I		J		WEIGHT	
			mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	kg	inch
10	KV2-10-6S	M14*1.5	46	1.81	30	1.18	35	1.37	82	3.22	38	1.49	4.2	0.16	10	0.39	108	5.74	76	2.99	0.45	0.99
	KV2-10-8S	M16*1.5	46	1.81	30	1.18	35	1.37	82	3.22	38	1.49	4.2	0.16	10	0.39	108	5.74	76	2.99	0.47	1.04
	KV2-10-10S	M18*1.5	46	1.81	30	1.18	35	1.37	82	3.22	38	1.49	4.2	0.16	10	0.39	108	5.74	76	2.99	0.43	0.95
	KV2-10-12S	M20*1.5	46	1.81	30	1.18	35	1.37	82	3.22	38	1.49	4.2	0.16	10	0.39	108	5.74	76	2.99	0.44	0.97
12.5	KV2-12-16S	M24*1.5	51	2	35	1.37	40	1.57	93	3.66	41.5	1.63	5	0.19	10	0.39	108	7.48	82	3.22	0.62	1.37
20	KV2-20-20S	M30*2	61	2.4	45	1.77	55	2.16	99	3.89	50	1.96	6.5	0.25	14	0.55	175	8.7	110	4.33	1.30	2.88
	KV2-25-25S	M36*2	71	2.79	55	2.16	60	2.36	135	5.31	58	2.28	6.5	0.25	14	0.55	175	9.17	114	4.48	1.40	3.10
25	KV2-25-30S	M42*2	71	2.79	55	2.16	60	2.36	141	5.55	58	2.28	6.5	0.25	14	0.55	175	9.44	114	4.48	2.04	4.52
	KV2-25-38S	M52*2	71	2.79	55	2.16	60	2.36	160	6.29	58	2.28	6.5	0.25	14	0.55	175	9.56	114	4.48	2.49	5.52

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WORKING PRESSURE													
10(6)		10		12		20		25		25 (31.5)		25 (40)	
MPa	Psi	MPa	Psi	MPa	Psi	MPa	Psi	MPa	Psi	MPa	Psi	MPa	Psi
50	7250	50	7250	50	7250	40	5800	40	5800	35	5075	35	5075

INFORMATION

- KV2 Series 2-Way Hydraulic Ball Valves are used to shut-off or open the flow passage, and their easy operation provides unrestricted flow.
- The volumetric structure enables rapid and smooth flow and prevents cavitation.
- KV2 Series Ball Valves can be locked open or closed by changing the position of the lock plate.
- The internal ball is made of hard chrome coated steel and the seat is of delrin (POM).

WARNING

- Please ensure that the flow rate is within the usual values.
- Please do not expose to abnormal operating conditions. (E.g. oscillations, impulse pressures, water hammering, cavitation, and proportions of solid materials and abrasives)
- Please do not touch the valves, when the working temperature is lower than -20°C or higher than +50°C.
- Make sure the system pressure is below the maximum working pressure.
- Please ensure the cleanliness of all connection surfaces to avoid dirt or dust accumulation in the circuit.
- Please ensure the alignment and full connection of the assembly parts.
- Please ensure that the OLEOCON product you have chosen is compatible with the temperature, material and pressure requirements of your system.
- Please contact OLEOCON technical support for any further questions.