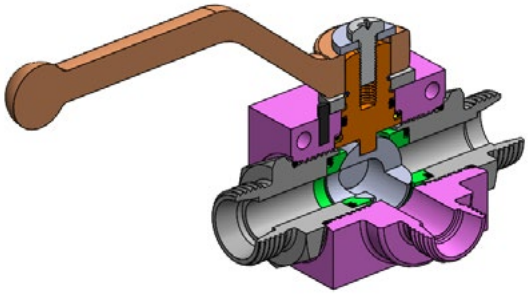
BALL VALVES - KV3L SERIES

METRIC





CLICK HERE
FOR 3D SECTION

TECHNICAL FEATURES AND OPTIONS

Working Temperature
-20 °C / +100 °C

Material
High Strenght
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

OIL & GAS | AGRICULTURE | HYDRAULIC INDUSTRY | EARTH MOVING | HYDRAULIC EQUIPMENT | CONCRETE VEHICLES | VEHICLES | CHEMICAL INDUSTRY

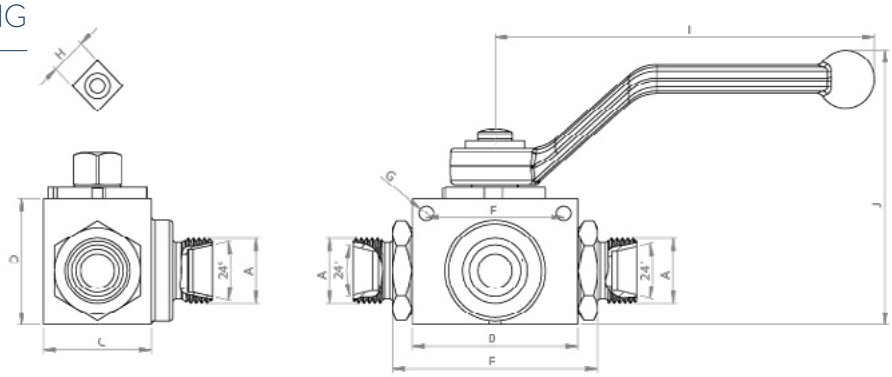
INFORMATION

· OLEOCON L Port 3 Way Ball Valves direct the flow from the inlet port to one of the 2 outlet ports, without restricting the flow.
· The volumetric structure enables rapid and smooth flow and prevents cavitation.
· KV3 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.

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	KV3L-10-6L	M12*1,5	46	1,81	46	1,18	35	1,37	78	3,07	38	1,49	4,2	0,16	10	0,39	108	5,74	76	2,99	0,45	0,99
	KV3L-10-8L	M14*1,5	46	1,81	46	1,18	35	1,37	78	3,07	38	1,49	4,2	0,16	10	0,39	108	5,74	76	2,99	0,44	0,97
	KV3L-10-10L	M16*1,5	46	1,81	47	1,18	35	1,37	80	3,14	38	1,49	4,2	0,16	10	0,39	108	5,74	76	2,99	0,47	1,04
	KV3L-10-12L	M18*1,5	46	1,81	47	1,18	35	1,37	80	3,14	38	1,49	4,2	0,16	10	0,39	108	5,74	76	2,99	0,46	1,02
12,5	KV3L-12-15L	M22*1,5	51	2	54	1,37	40	1,57	89	3,5	41,5	1,63	5	0,19	10	0,39	108	7,48	82	3,22	0,71	1,57
	KV3L-12-18L	M26*1,5	51	2	54	1,37	40	1,57	89	3,5	41,5	1,63	5	0,19	10	0,39	108	7,48	82	3,22	0,72	1,59
20	KV3L-20-22L	M30*2	61	2,4	57	1,77	55	2,16	99	3,74	50	1,96	6,5	0,25	14	0,55	175	8,7	110	4,33	1,25	2,77
25	KV3L-25-28L	M36*2	71	2,79	85	2,16	60	2,36	131	5,15	58	2,28	6,5	0,25	14	0,55	175	9,17	114	4,48	1,46	3,24
	KV3L-25-35L	M45*2	71	2,79	86	2,16	60	2,36	133	5,23	58	2,28	6,5	0,25	14	0,55	175	9,44	114	4,48	2,75	6,10
	KV3L-25-42L	M52*2	71	2,79	94	2,16	60	2,36	148	5,82	58	2,28	6,5	0,25	14	0,55	175	9,56	114	4,48	3,35	7,43

ISO 8434 - 1

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	KV3L-10-6S	M14*1,5	46	1,81	48	1,18	35	1,37	82	3,22	38	1,49	4,2	0,16	10	0,39	108	5,74	76	2,99	0,50	1,11
	KV3L-10-8S	M16*1,5	46	1,81	48	1,18	35	1,37	82	3,22	38	1,49	4,2	0,16	10	0,39	108	5,74	76	2,99	0,50	1,11
	KV3L-10-10S	M18*1,5	46	1,81	49	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
	KV3L-10-12S	M20*1,5	46	1,81	49	1,18	35	1,37	82	3,22	38	1,49	4,2	0,16	10	0,39	108	5,74	76	2,99	0,49	1,08
12,5	KV3L-12-16S	M24*1,5	51	2	56	1,37	40	1,57	93	3,66	41,5	1,63	5	0,19	10	0,39	108	7,48	82	3,22	0,72	1,59
20	KV3L-20-20S	M30*2	61	2,4	59	1,77	55	2,16	103	3,89	50	1,96	6,5	0,25	14	0,55	175	8,7	110	4,33	1,40	3,10
25	KV3L-25-25S	M36*2	71	2,79	87	2,16	60	2,36	135	5,31	58	2,28	6,5	0,25	14	0,55	175	9,17	114	4,48	1,50	3,33
	KV3L-25-30S	M42*2	71	2,79	90	2,16	60	2,36	141	5,55	58	2,28	6,5	0,25	14	0,55	175	9,44	114	4,48	2,84	6,30
	KV3L-25-38S	M52*2	71	2,79	100	2,16	60	2,36	160	6,29	58	2,28	6,5	0,25	14	0,55	175	9,56	114	4,48	3,40	7,54

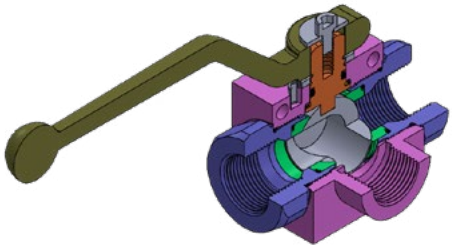
ISO 8434 - 1

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

BALL VALVES - KV3L SERIES

BSPP - NPT - UNF





CLICK HERE
FOR 3D SECTION

TECHNICAL FEATURES AND OPTIONS

Working Temperature
-20 °C / +100 °C

Material
High Strenght
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

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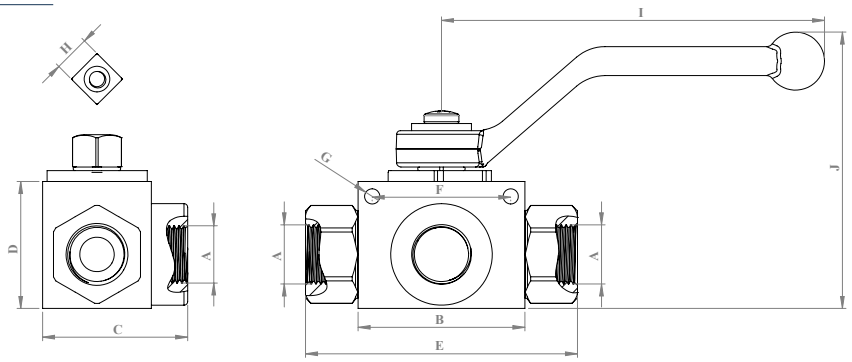
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TECHNICAL DRAWING



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	KV3L-10-G14	1/4"	46	1,81	40	1,18	35	1,37	75	2,95	38	1,49	4,2	0,16	10	0,39	108	5,74	76	2,99	0,48	1,06
	KV3L-10-G38	3/8"	46	1,81	40	1,18	35	1,37	75	2,95	38	1,49	4,2	0,16	10	0,39	108	5,74	76	2,99	0,45	0,99
12,5	KV3L-12-G12	1/2"	51	2	50	1,37	40	1,57	82,5	3,24	41,5	1,63	5	0,19	10	0,39	108	7,48	82	3,22	0,66	1,46
20	KV3L-20-G34	3/4"	61	2,4	60	1,77	55	2,16	92	3,62	50	1,96	6,5	0,25	14	0,55	175	8,7	110	4,33	1,31	2,90
25	KV3L-25-G1	1"	71	2,79	76	2,16	60	2,36	116	4,56	58	2,28	6,5	0,25	14	0,55	175	9,17	114	4,48	1,87	4,15
	KV3L-25-G114	1 1/4"	71	2,79	90	2,16	60	2,36	130	5,11	58	2,28	6,5	0,25	14	0,55	175	9,44	114	4,48	2,80	6,21
	KV3L-25-G112	1 1/2"	71	2,79	90	2,16	60	2,36	136	5,35	58	2,28	6,5	0,25	14	0,55	175	9,56	114	4,48	2,90	6,43

ISO 1179-1

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	KV3L-10-NPT14	1/4"	46	1,81	40	1,18	35	1,37	75	2,95	38	1,49	4,2	0,16	10	0,39	108	5,74	76	2,99	0,48	1,06
	KV3L-10-NPT38	3/8"	46	1,81	40	1,18	35	1,37	75	2,95	38	1,49	4,2	0,16	10	0,39	108	5,74	76	2,99	0,45	0,99
12,5	KV3L-12-NPT12	1/2"	51	2	50	1,37	40	1,57	82,5	3,24	41,5	1,63	5	0,19	10	0,39	108	7,48	82	3,22	0,66	1,46
20	KV3L-20-NPT34	3/4"	61	2,4	60	1,77	55	2,16	92	3,62	50	1,96	6,5	0,25	14	0,55	175	8,7	110	4,33	1,31	2,90
25	KV3L-25-NPT1	1"	71	2,79	76	2,16	60	2,36	116	4,56	58	2,28	6,5	0,25	14	0,55	175	9,17	114	4,48	1,87	4,15
	KV3L-25-NPT114	1 1/4"	71	2,79	90	2,16	60	2,36	130	5,11	58	2,28	6,5	0,25	14	0,55	175	9,44	114	4,48	2,80	6,21
	KV3L-25-NPT112	1 1/2"	71	2,79	90	2,16	60	2,36	136	5,35	58	2,28	6,5	0,25	14	0,55	175	9,56	114	4,48	2,90	6,43

ASME.B1.20.1.NPT

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	KV3L-10-SAE4	7/16 UNF	46	1,81	40	1,18	35	1,37	75	2,95	38	1,49	4,2	0,16	10	0,39	108	5,74	76	2,99	0,48	1,06
	KV3L-10-SAE6	9/16UNF	46	1,81	40	1,18	35	1,37	75	2,95	38	1,49	4,2	0,16	10	0,39	108	5,74	76	2,99	0,45	0,99
12,5	KV3L-12-SAE8	3/4UNF	51	2	50	1,37	40	1,57	82,5	3,24	41,5	1,63	5	0,19	10	0,39	108	7,48	82	3,22	0,66	1,46
20	KV3L-20-SAE12	11/16UN	61	2,4	60	1,77	55	2,16	92	3,62	50	1,96	6,5	0,25	14	0,55	175	8,7	110	4,33	1,31	2,90
25	KV3L-25-SAE16	15/16 UN	71	2,79	76	2,16	60	2,36	116	4,56	58	2,28	6,5	0,25	14	0,55	175	9,17	114	4,48	1,87	4,15
	KV3L-25-SAE20	15/8 UN	71	2,79	90	2,16	60	2,36	130	5,11	58	2,28	6,5	0,25	14	0,55	175	9,44	114	4,48	2,80	6,21
	KV3L-25-SAE24	1 7/8 UN	71	2,79	90	2,16	60	2,36	136	5,35	58	2,28	6,5	0,25	14	0,55	175	9,56	114	4,48	2,90	6,43

ISO 11926-1

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