

GLC[®] CHECK VALVE HANDLING AND LIFTING INSTRUCTIONS

Lifting of GLC[®] check valves must be accomplished in a safe, controlled manner. Attention to personal safety is required as GLC[®] check valves can be very heavy depending on the size and class of the valve. Ensure that all handling equipment is in accordance with current OSHA health and safety guidelines. Fiber slings/straps rated for the capacity of each lifting task should be used, properly choked, around the necks of the valve flanges. Never lift a valve with a single strap. Overhead cranes, forklifts, lifting apparatus, and any other equipment used must be rated for the weight of the valve.

Always secure any valve resting on a surface by using blocks or other means to prevent it from tipping over or rolling. Avoid abrupt motion to prevent slamming of the disc to the seat. Clean any dirt or debris from inside of valve body and follow the instruction manual to install the valve.

All valves in this product line may be safely lifted using two straps, rated for valve weight, one each on the valve neck behind each flanged end. Make sure slings are not loose and are choked properly to prevent valve from spinning. Use caution with lifts at sling-to-load angles less than 45° and do not make lifts at angles less than 30°. When possible, use longer slings to minimize angular tension by increasing the angle. Always keep the center of gravity in line with the suspension point by adjusting slings or using multiple legs. See table below for weight of each valve and center of gravity location.

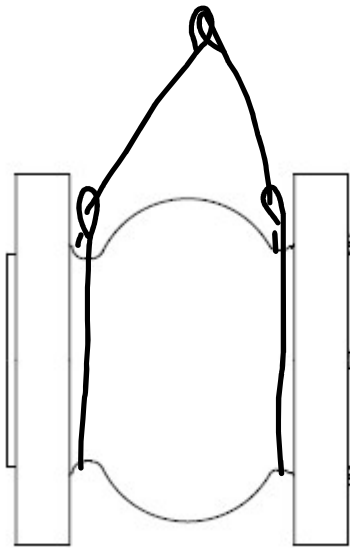


Figure 1: Lifting Configuration

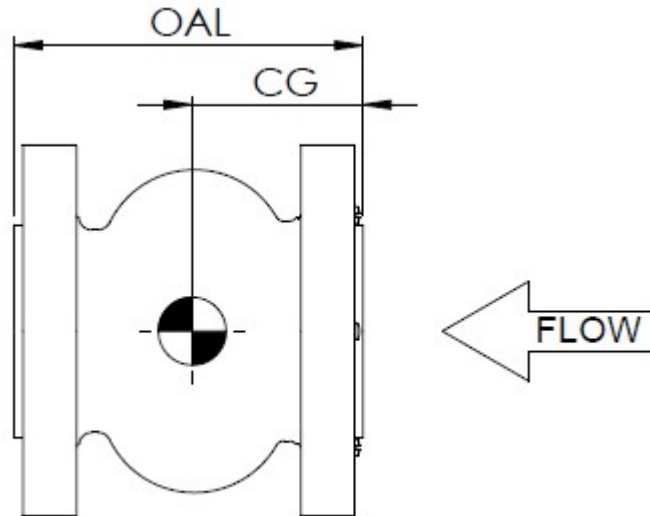


Figure 2: Overall length and CG location

Valve Size (NPS)	Class	Dimension "OAL": Overall Length (in.)	Dimension "CG": Center of Gravity Distance From Entrance Face (in.)	Weight (lb.)
2	900	8.25	4.05	59
2	1500	8.25	4.05	59
2	2500	9.25	4.58	85
2	2500RTJ	9.38	4.65	87
3	600	8.63	4.22	53
3	900	9.13	4.49	95
3	1500	9.88	4.87	114
3	2500	14.00	6.92	216

3	2500RTJ	14.00	6.92	218
4	150	8.50	4.15	55
4	300	9.12	4.49	71
4	600	10.13	4.96	119
4	900	10.62	5.18	126
4	1500	11.38	5.60	171
4	2500RTJ	15.63	7.80	337
5	150	9.50	4.59	66
6	150	10.00	4.80	106
6	300	11.00	5.37	134
6	600	12.38	5.98	219
6	900	13.01	6.34	273
6	1500	15.12	7.40	392
8	150	12.00	5.57	156
8	300	13.00	6.22	226
8	600	14.62	7.07	332
8	900	15.25	7.53	480
8	1500	17.50	8.64	685
10	150	14.00	6.54	276
10	300	15.38	7.31	355
10	600	17.12	8.15	596
10	900	17.63	8.43	723
10	1500	23.00	11.29	1251
12	150	18.00	8.24	366
12	300	19.50	9.22	564
12	600	21.25	9.98	738
12	900	24.00	11.50	1335
12	1500	45.12	21.16	2590
14	150	21.00	9.53	463
14	300	23.00	10.76	738
14	600	22.44	10.67	995
14	1500	34.75	16.57	3389
16	150	22.50	10.28	663
16	300	24.00	11.11	1052
16	600	26.00	12.09	1469
16	900	25.81	12.40	1955
18	150	24.00	10.83	883
18	300	24.00	11.32	1339
20	150	24.00	11.26	1441
20	300	24.00	11.30	1704
20	600	30.00	14.18	2662
20	900	31.50	14.82	3583
24	150	28.00	12.91	1571
24	300	28.00	13.37	2420
24	600	29.32	14.09	3504
24	900	36.00	17.06	5932
30	300	36.00	16.92	4645
30	600	39.75	19.02	7590
30	900	47.00	22.48	12285
36	300	47.00	22.84	8028
42	150	48.00	24.49	6860

For valves not listed, weight is below 55 lb. Use proper lifting methods for these smaller valves. For any questions regarding lifting or handling, contact DFT[®].