

# HIGH PERFORMANCE VALVE



## GATE VALVE

### Standards :

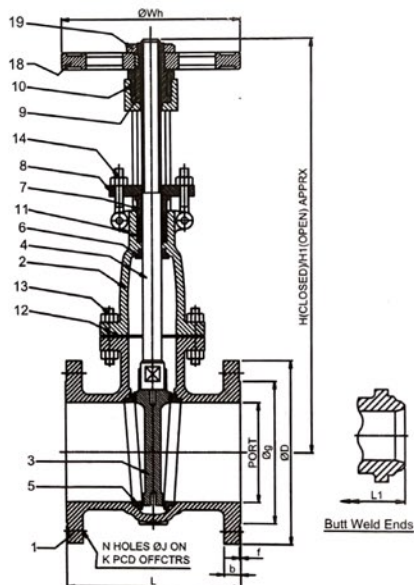
- Design and Manufacturing Standard as per API 600/BS 1414.
- Face to Face & End to End Dimensions Standard as per ASME B16.10.
- Flange Dimension Standard as per ASME B16.5.
- Inspection & Testing Standard as per API 598.
- For low temperature and cryogenic service (cold box and non-cold box applications) extend bonnet as per BS 6364.

### Features :

- Design: Bonnet, Union Bonnet.
- Pressure Rating Class: 150#, 300#, 600#, 800#, 900#, 1500#
- Operation: Manual Lever, Manual Gear Box, Electrical & Pneumatic Actuator.
- Ends: Flanged, Screwed, Socket Weld, Butt Weld, Flanged Butt Weld.
- Size Range: 50 mm to 600mm



### GATE VALVE



### TEST PRESSURE

TESTING	BODY	SEAT	BACKSEAT
HYDRAULIC	30KG/CM2	21KG/CM2	21KG/CM2
PNEUMATIC	NIL	7KG/CM2	NIL

### PARTS NAME & MATERIALS

Sr. No.	Parts	Materials
1.	BODY	A216 WCB / A217 WC6 / WC9 / C5 / C12 / A 351 CF 8 / CF8M / A 352 LCB
2.	BONNET	A216 WCB / A217 WC6 / WC9 / C5 / C12 / A 351 CF 8 / CF8M / A 352 LCB
3.	WEDGE @	A216 WCB / A217 WC6 / WC9 / C5 / C12 / A 351 CF 8 / CF8M / A 352 LCB
4.	STEM	A 276 410 / 304 / 316
5.	SEAT RING @	A 216 WCB / A 217 WC6 / WC 9 / C5 / C12/ A 351 CF 8/ CF8M/ A 352 LCB
6.	BACK SEAT	A 276 410 / 304 / 316
7.	GLAND	A 276 410 / 304 / 316
8.	GLAND FLANGE	CARBON STEEL / STAINLESS STEEL
9.	YOKE SLEEVE	S G IRON
10.	YOKE NUT	S G IRON
11.	GLAND PACKING	GRAPHITE ASBESTOS / GRAPHOIL / PTFE
12.	BONNET GASKET	CORRUGATED SOFT IRON / CORRUGATED SS/ SPIRRAL WOUND SS 304
13.	STUDS	ASTM A 193 GR. B7 / CARBON STEEL / STAINLESS STEEL
14.	NUTS	ASTM A 193 GR. B7 / CARBON STEEL / STAINLESS STEEL
15.	GLAND BOLT & NUT	CARBON STEEL / STAINLESS STEEL
16.	GLAND LUG	CARBON STEEL / STAINLESS STEEL
17.	GREASE NIPPLE	CARBON STEEL
18.	KEY	CARBON STEEL
19.	HAND WHEEL	CARBON STEEL / S G IRON / CAST IRON
20.	WHEEL NUT	CARBON STEEL / STAINLESS STEEL



### ISO PN 20 / ASME 150 CLASS

	50	65	80	100	150	200	250	300	350	400	450	500	600
L-RF	178	191	203	229	267	292	330	356	381	406	432	457	508
L1-BW	216	241	282	305	403	419	457	502	572	610	660	711	813
PORT	51	64	76	102	152	203	254	305	337	387	438	489	591
ØW	200	200	250	250	300	350	450	500	*	*	*	*	*
H(APP.)	425	435	535	600	800	1010	1250	1385	1575	1825	1950	2080	2425
ØD	152	178	190	229	279	343	406	483	533	597	635	698	8813
B	15.9	17.5	19.1	23.9	25.4	28.6	30.2	31.8	35.0	36.6	39.7	42.9	47.7
ØQ	92	105	127	157	216	270	324	381	413	470	533	584	692
F	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
ØJ	19	19	19	19	22	22	25	25	29	29	32	32	35
N	4	4	4	8	8	8	12	12	12	16	16	20	20
K:PCD	120	139	152	190	241	298	362	432	476	539	578	635	749
RING NO.**	R 22	R 25	R 29	R 36	R 43	R 48	R 52	R 56	R 59	R 64	R 68	R 72	R 76

### ISO PN 50 / ASME 300 CLASS

	50	65	80	100	150	200	250	300	350	400	450	500	600
L-RF	216	241	282	305	403	419	457	502	762	838	914	990	1143
L1-BW	216	241	282	305	403	419	457	502	762	838	914	990	1143
PORT	51	64	76	102	152	206	251	305	337	387	438	489	591
ØW	200	200	250	300	350	450	500	500	*	*	*	*	*
H(APP.)	430	475	535	605	845	1075	1260	1425	1585	1845	1995	2175	2650
ØD	165	190	210	254	318	381	444	521	584	648	711	775	914
B	22.3	25.4	28.6	31.8	36.6	41.3	47.7	50.8	54.0	57.2	60.4	63.5	69.9
ØQ	91.9	105	127	157	216	270	324	381	413	469.9	533	584	692
F	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
ØJ	19	22	22	1.6	22	25	29	32	32	35	35	35	41
N	8	8	8	22	12	12	16	16	20	20	24	24	24
K:PCD	127	149	168	8	270	330	387	451	514	571	628	686	813
RING NO.**	R 23	R 26	R 30	R 37	R 45	R 49	R 53	R 57	R 65	R 61	R 69	R 73	R 77

### ISO PN 100 / ASME 600 CLASS

	50	65	80	100	150	200	250	300	350	400	450	500	600
L-RF	108	330	356	432	559	660	787	838	889	991	1092	1194	1394
L1-BW	12.5	17	24	37	49	64	75	98	148	198	198	198	198
PORT	51	64	76	102	152	203	254	305					
ØW	250	250	300	350	500	600	600	*	*	*	*	*	*
H(APP.)	440	500	545	720	850	1200	1390	1580	1655	1905	2010	2275	2810
ØD	165.1	190	209.6	273.05	355.6	419.1	508	558.8	603.25	685.8	743	813	940
B	25.4	28.6	31.8	38.1	47.7	55.6	63.5	66.7	69.9	76.2	82.6	88.9	102.0
ØQ	91.95	105	127	157	215.9	270	324	381	413	469.9	533	584	692
F	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
ØJ	19.05	22.35	22.35	25.4	29	31.75	35.05	35.05	38.1	41.15	45	45	51
N	8	8	8	8	12	12	16	20	20	20	20	24	24
K:PCD	127	149	168	216	292	349	432	489	527	603	654	724	838
RING NO.**	R 23	R 26	R 30	R 37	R 45	R 49	R 53	R 57	R 61	R 65	R 69	R 73	R 77





## NEO VALVES INDUSTRIES

AN ISO 9001:2015 CERTIFIED COMPANY  
IBR APPROVED

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