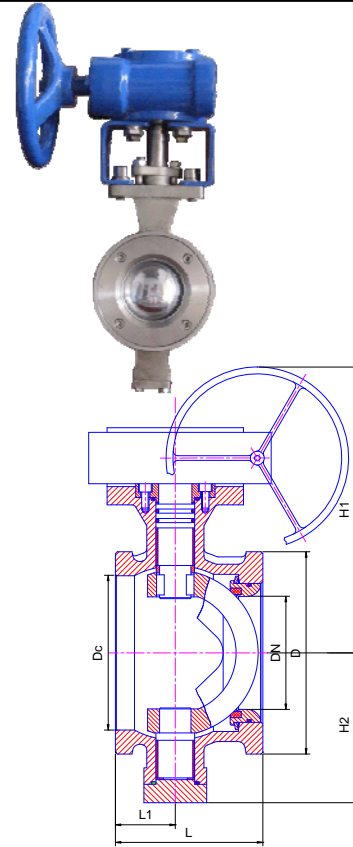


**CARBON STEEL OR STAINLESS STEEL
V-PORT BALL VALVE WAFER TYPE**

DESIGN DESCRIPTION:

- Manufacture: Factory STD;
- Flange: ANSI B16.5;
- Test: API598;
- 1-PC Body, Reduce Bore;
- V-Port Ball
- Soft seal, Available Metal Seal;
- Material and Working Temp.:
 - ◆ PTFE&R-PTFE: 0 °C-200 °C(32 °F-392 °F)
 - ◆ NYLON: 260 °C(500°F) Maximum



PARTS AND MATERIAL:

PARTS NAME	MATERIALS
BODY	ASTM A216-WCB/A351-CF8/CF8M/CF3/CF3M
GASKET	PTFE/R-PTFE/GRAPHITE
CAP	ASTM A105+ENP/A182- F304/F316/F304L/F316L
SEAT	PTFE/R-PTFE
BALL	ASTM A105+ENP/A182- F304/F316/F304L/F316L
STEM	ASTM A182-F6a/F304/F316/F304L/F316L
GEAR	Ductile Iron

OTHER MATERIALS ARE AVAILABLE UPON REQUEST.

RELATION BETWEEN CORRESPONDING OPEN AND FLOW COEFFICIENT Cv:

SIZE		RELATIVE OPEN DEGREE					
		10%	30%	50%	70%	90%	100%
DN	NPS	FLOW VOLUME COEFFICIENT Cv					
25	1"	0.5	2	5.2	10	19	28
40	1-1/2"	1.2	5.7	15	30	54	81
50	2"	1.9	8.8	23	46	83	125
65	2-1/2"	3.2	14	39	76	138	208
80	3"	4.4	20	54	106	192	290
100	4"	7	33	86	170	308	465
125	5"	10	46	122	240	436	658
150	6"	13	60	157	310	564	850
200	8"	21	97	255	503	915	1380
250	10"	33	152	401	792	1440	2170

DIMENSIONS LIST(UNIT:MM):

DN	NPS	L	L1	d	D	Dc	H	H1
CLASS 150								
25	1"	50	25	19	65	38	200	57
40	1-1/2"	60	25	32	84	49	205	63
50	2"	75	32	38	103	60	225	92
65	2-1/2"	85	38	51	122	75	235	100
80	3"	100	45	64	135	89	260	108
100	4"	115	50	76	173	113	270	117
125	5"	135	55	102	195	140	320	140
150	6"	160	65	127	220	164	340	177
200	8"	200	80	152	277	205	390	200
250	10"	240	92	203	337	259	420	252

DN	NPS	L	L1	d	D	Dc	H	H1
CLASS 300								
25	1"	50	25	19	72	38	200	57
40	1-1/2"	60	25	32	94	49	205	63
50	2"	75	32	38	110	60	225	92
65	2-1/2"	85	38	51	128	75	235	100
80	3"	100	45	64	147	89	260	108
100	4"	115	50	76	179	113	270	117
125	5"	135	55	102	214	140	320	140
150	6"	160	65	127	249	164	340	177
200	8"	200	80	152	305	205	390	200
250	10"	240	92	203	359	259	420	252

Remark: Our design can be suitable for all standard (BS, DIN, ANSI, JIS standard etc.);

◇ We hereby reserve the rights of any alternative dimension that would help to improve our valve's quality and working efficiency.