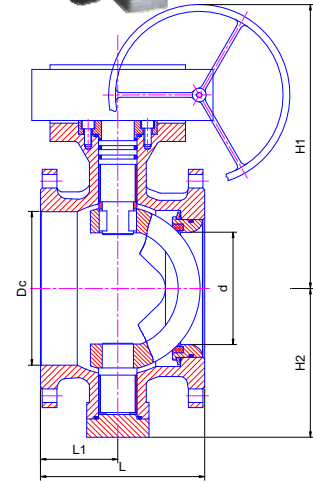


**CARBON STEEL OR STAINLESS STEEL
V-PORT BALL VALVE FLANGED ENDS**

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	Dc	H	H1
		CLASS 150					
25	1"	102	51	19	38	200	57
40	1-1/2"	114	57	32	49	205	63
50	2"	124	62	38	60	225	92
65	2-1/2"	145	72.5	51	75	235	100
80	3"	165	82.8	64	89	260	108
100	4"	194	97	76	113	270	117
125	5"	210	105	102	140	320	140
150	6"	229	114.5	127	164	340	177
200	8"	243	121.5	152	205	390	200
250	10"	297	148.5	203	259	420	252

DN	NPS	L	L1	d	Dc	H	H1
		CLASS 300					
25	1"	102	51	19	38	200	57
40	1-1/2"	114	57	32	49	205	63
50	2"	124	62	38	60	225	92
65	2-1/2"	145	72.5	51	75	235	100
80	3"	165	82.8	64	89	260	108
100	4"	194	97	76	113	270	117
125	5"	210	105	102	140	320	140
150	6"	229	114.5	127	164	340	177
200	8"	243	121.5	152	205	390	200
250	10"	297	148.5	203	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.