VOCESTER
USA

Model : Q641

Lined Ball Valve

A PART OF USA CLINTON TEXON
CLINTON TEXON GROUP, USA

MODEL: Q641
Lined Ball Valve

VOCESTER USA

Material Specification

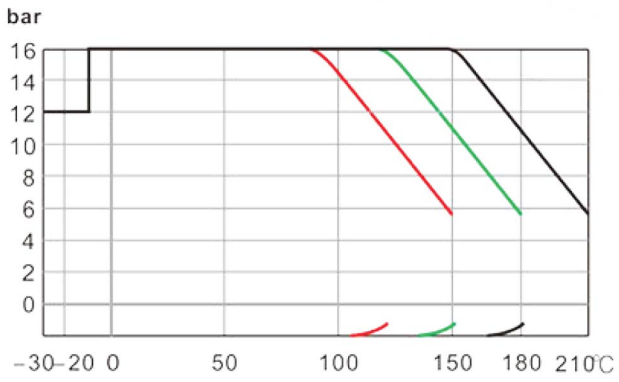
Nominal Diameter		DN15-DN350		
Nominal Pressure		1.0MPa 1.6MPa 150LB		
No.	Name	Material Lists		
1	Nut	A194 2H	A194 8	A194 8M
2	Lever	WCB	CF8 CF8M	CF3 CF3M
3	Locating Plate	25# SS304		
4	Screw	A193 B7	A193 B8	A193 B8M
5	Gland	WCB	CF8 CF8M	CF3 CF3M
6	Packing	PTFE		
7	Stuffingbox	WCB+ Lining material	CF8/CF8M+ Lining material	CF3/CF3M+ Lining material
8	Body bolt	A193 B7	A193 B8	A193 B8M
9	Body	WCB+ Lining material	CF8/CF8M+ Lining material	CF3/CF3M+ Lining material
10	Seat	PTFE RPTFE PEEK		
11	Ball/stem	WCB+ Lining material	CF8/CF8M+ Lining material	CF3/CF3M+ Lining material
12	Bonnet	WCB+ Lining material	CF8/CF8M+ Lining material	CF3/CF3M+ Lining material

Technical Specification

Design & Manufacture Standard		API 6D		
Face-to-face Dimension Standard		ASME B16.10		
Flange Standard		ASME B16.5, JIS B2220		
Inspection and Test Standard		API 598		
Nominal Diameter		1/2"~14"		
Nominal Pressure		1.0MPa	1.6MPa	150LB
Test Pressure	**Shell Test**	1.5MPa	1.5MPa	1.5MPa
	High Pressure Sealing	1.1MPa	1.1MPa	1.1MPa
	Low Pressure Sealing	0.6MPa	0.6MPa	0.6MPa
Temperature Range		PFA: -29°C~200°C PTFE: -29°C~180°C FEP: -29°C~150°C GXPO: -10°C~80°C		
Applicable Medium		Strong corrosive medium i.e. hydrochloric acid, Nitric acid, Hydrofluoric acid, Liquid chlorine, Sulfuric Acid and Aqua regia etc.		

Note: Test standard refers general valve standard, high pressure should be customized for processing.

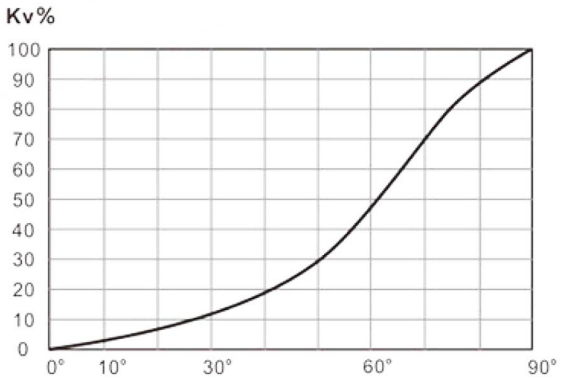
Pressure-Temperature Curve



Vacuum: 0.1mbar

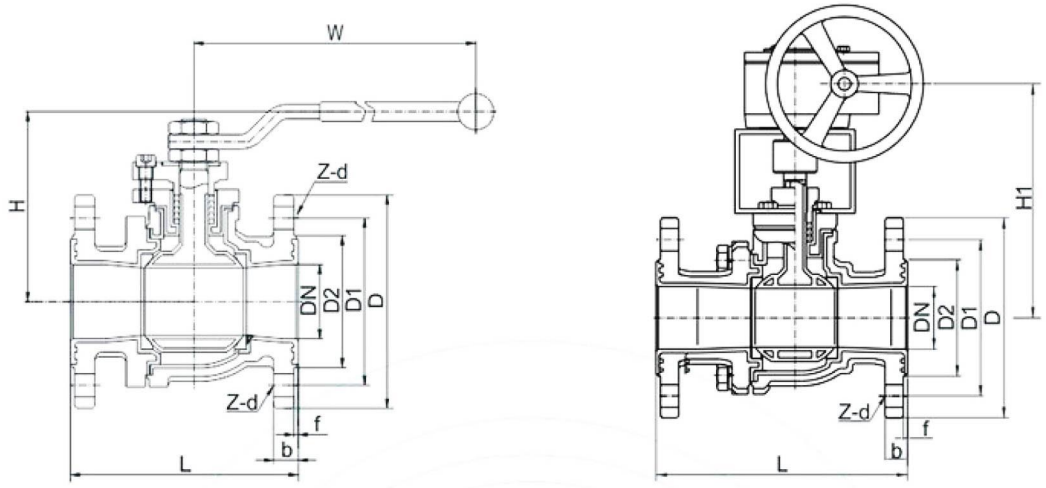
Note: PFA PTFE FEP

Flow Characteristic



Valve Position Angle

1Cv=1.167Kv



PN10

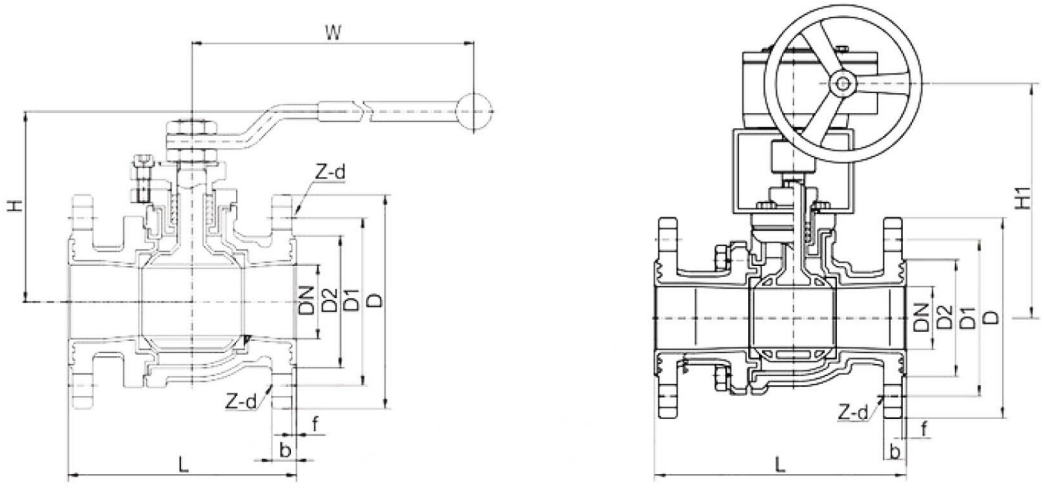
Unit:mm

DN	L	D	D1	D2	Z-d	f	b	W	H	H1	Wt(Kg)
15	130	95	65	45	4-14	2.5	16	140	100	-	3.5
20	140	105	75	55	4-14	2.5	18	160	105	-	4
25	150	115	85	65	4-14	3	19	200	110	-	5.5
32	165	140	100	78	4-18	3	19	200	130	-	7
40	180	150	110	85	4-18	3.5	19	220	135	-	9
50	200	165	125	100	4-18	3.5	19	220	145	-	15.5
65	220	185	145	120	4-18	3.5	20	350	155	-	19.5
80	250	200	160	135	8-18	3.5	21	400	210	340	30
100	280	220	180	155	8-18	4	23	400	235	360	40
125	320	250	210	185	8-18	4	25	550	255	405	56
150	360	285	240	210	8-22	4	25	550	285	425	72
200	400	340	295	265	8-22	4	26	-	328	505	119
250	450	395	350	320	12-22	4	28	-	370	540	155
300	500	445	400	368	12-22	4	29	-	-	-	202
350	610	505	460	428	16-22	5	29	-	-	-	245

PN16

Unit:mm

15	130	95	65	45	4-14	2.5	16	140	100	-	3.5
20	140	105	75	55	4-14	2.5	18	160	105	-	4
25	150	115	85	65	4-14	3	19	200	110	-	5.5
32	165	140	100	78	4-18	3	19	200	130	-	7
40	180	150	110	85	4-18	3.5	19	220	135	-	9
50	200	165	125	100	4-18	3.5	19	220	145	-	15.5
65	220	185	145	120	4-18	3.5	20	350	155	-	19.5
80	250	200	160	135	8-18	3.5	21	400	210	340	30
100	280	220	180	155	8-18	4	23	400	235	360	40
125	320	250	210	185	8-18	4	25	550	255	405	57
150	360	285	240	210	8-22	4	25	550	285	425	73.5
200	400	340	295	265	12-22	4	26	-	328	505	121
250	450	405	355	320	12-26	4	28	-	370	540	159
300	500	460	410	375	12-26	4	29	-	-	-	202
350	610	520	470	435	16-26	5	29	-	-	-	250



PN25

Unit:mm

DN	L	D	D1	D2	Z-d	f	b	W	H	H1	Wt(Kg)
15	130	95	65	45	4-14	2.5	16	140	100	-	3.5
20	140	105	75	55	4-14	2.5	18	160	105	-	4
25	150	115	85	65	4-14	3	19	200	110	-	5.5
32	165	140	100	78	4-18	3	19	200	130	-	7
40	180	150	110	85	4-18	3.5	19	220	135	-	9
50	200	165	125	100	4-18	3.5	19	220	145	-	15.5
65	220	185	145	120	8-18	3.5	20	350	155	-	19.5
80	250	200	160	135	8-18	3.5	21	400	210	340	30
100	280	235	190	160	8-22	4	25	400	235	360	44
125	320	270	220	188	8-26	4	25	550	255	405	63
150	360	300	250	218	8-26	4	26	550	285	425	79
200	400	360	310	278	12-26	4	28	-	328	505	124
250	450	425	370	332	12-30	4	29	-	370	540	162
300	500	485	430	390	16-30	4	29	-	510	-	220

ASME B16.5 Class150

Unit:mm

NPS	L	D	D1	D2	Z-d	f	b	W	H	H1	Wt(Kg)
1/2	110	90	60.5	35	4-16	2.5	12.5	140	100	-	3.5
3/4	117	100	70.0	43	4-16	2.5	14	160	105	-	4
1	127	110	79.5	51	4-16	3	16	200	110	-	5.5
1¼	140	115	89.0	64	4-16	3	17	200	130	-	7
1½	165	125	98.5	73	4-16	3.5	19.5	220	135	-	9
2	178	152	120.5	92	4-19	3.5	21	220	145	-	15.5
2½	190	180	139.5	105	4-19	3.5	24	350	155	-	19.5
3	203	190	152.5	127	4-19	3.5	26	400	210	340	30
4	229	230	190.5	157	8-19	4	27.5	400	235	360	40
5	254	255	216.0	186	8-23	4	27.5	550	255	405	57
6	267	280	241.5	216	8-23	4	28	550	285	425	73.5
8	292	345	298.5	270	8-23	4	31	-	328	505	121
10	330	405	362.0	324	12-25	4	33	-	370	540	159

Note: For more size, please consult our engineer.

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