

TV SERIES TRUNNION CONTROL VALVES

Split Body metal seated ball valves for industrial and process applications.



The Jarecki TV Series V Port Control valve is good choice for your high temperature and abrasive media valve needs. TV Series valves are used for applications in the Chemical, Power, Pulp and Paper, Petrochemical, Oil and Gas, and Mining Industries.

Standard Applications:

Condensate
Hot Oil
Saturated Steam
Feedwater
Abrasive Media
Natural Gas
Nitrogen

Seat Leakage Class:

RTFE Seats Bubble Tight
RTFE Seats API 598
Metal Seats Class V - **Standard**
Metal Seats Class VI
Metal Seats Zero Leakage
Metal Seats API 598
Metal Seats ISO 5208

Design

Pressure Rating

- 600# Available in Sizes ½" to 12"
- 900# Available in Sizes ½" to 12"
- 1500# Available in Sizes ½" to 12"
- 2500# Available in Sizes ½" to 10"

Valve Size

- 2" to 12" Full Port
- 3" to 12" Reduced Port

End Connections

- Flanged RF and RTJ
- Butt weld

Valve Construction

- 2 and 3 Piece Valve Design
- Cast Body and Forged
- Split Body
- Trunnion Mounted Ball
- Spiral Wound Body Gasket with Secondary Metal to Metal Seal
- Actuator Mounting Pad
- Live Loaded Stem Packing
- Designed to B16.34
- Blow Out Proof Stem
- Heavy Duty Stem For High Torque

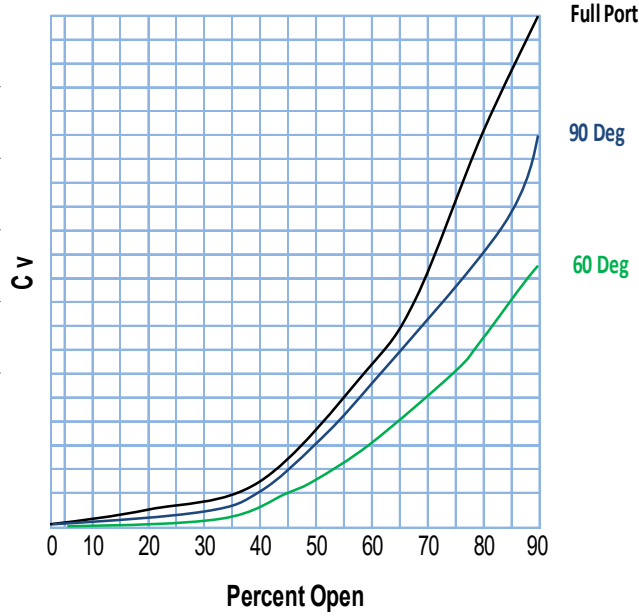
Seat Designs

- Bi-Direction RTFE Seats
- Bi-Direction Metal Seats
- Uni-Directional Metal Seats – **Standard**

Service Conditions

- Temperatures Up to 1000 deg F
- Pressures as low as Vacuum Service
- Pressures as High as 740 psi
- For Clean and Abrasive Services

MODIFIED EQUAL PERCENTAGE CURVE



Modified Equal Percentage

Linear Flow

Other



- 90 Deg V Port
- 60 Deg V Port
- 30 Deg V Port.
- 15 Deg V Port
- 10 Deg V Port
- 5 Deg V Port

- .0156" Slot
- .0313" Slot
- .0625" Slot
- .0125" Slot
- Special Designed Shapes

- . Special Designed Shapes

V PORT ADVANTAGE

- Great Rangeability, can exceed 800:1.
- V-Port Ball design provides both excellent control and tight shut-off.
- Higher flow rates than similar sized globe valves means smaller pipeline sizes required.
- Capable of higher temperatures than other control valves
- Increased Linear Response due to direct flow pattern through the valve body.
- Slotted Ball ports available for micro control
- Modified shapes available on request
- Precise and accurate control



V BALL VALVE FLOW COEFFICIENT Cv CHART

V-Port Ball Valves

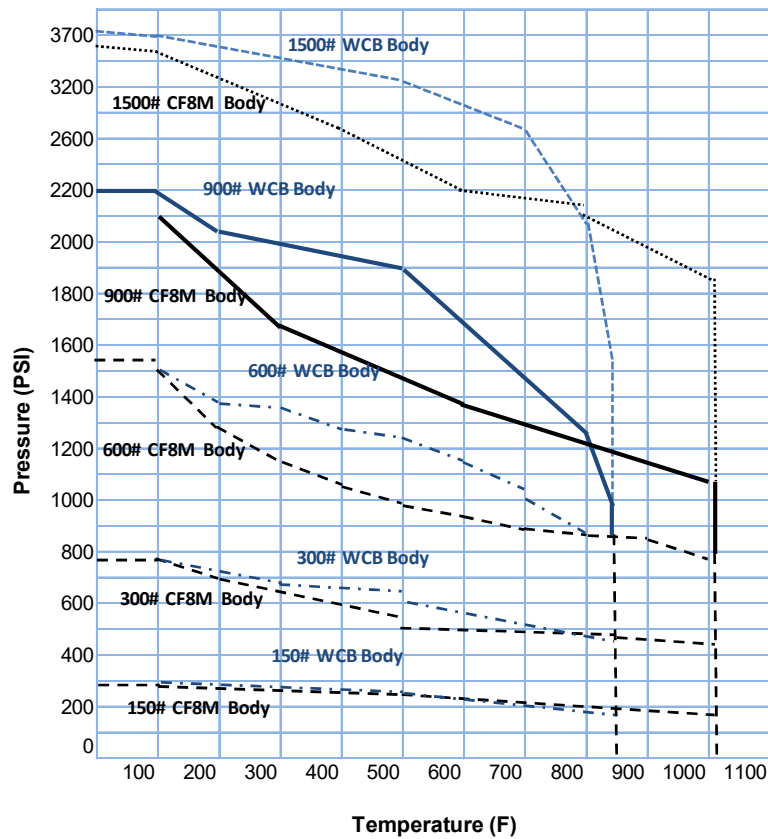
Valve Size	V-Port Angle										
		10%	20%	30%	40%	50%	60%	70%	80%	90%	100%
		9	18	27	36	45	54	63	72	81	90
1/2"	15	0.03	0.17	0.43	0.68	0.98	1.63	2.11	2.84	3.63	4.29
1/2"	30	0.03	0.23	0.46	0.76	1.18	1.81	2.46	3.42	4.66	5.57
1/2"	60	0.04	0.28	0.72	1.11	1.84	2.91	4.28	6.99	9.43	12.77
1/2"	90	0.05	0.46	0.84	1.27	2.04	3.23	4.74	8.24	11.62	14.73
3/4"	15	0.04	0.23	0.55	0.89	1.33	2.14	2.74	3.75	4.74	5.54
3/4"	30	0.06	0.29	0.61	0.98	1.55	2.42	3.23	4.51	6.11	7.34
3/4"	60	0.07	0.34	0.92	1.45	2.41	3.84	5.63	9.22	12.42	16.27
3/4"	90	0.08	0.58	1.11	1.68	2.68	4.26	6.22	10.84	15.27	19.38
1"	15	0.05	0.31	0.94	1.48	2.33	3.81	4.69	6.49	8.49	9.85
1"	30	0.07	0.45	1.24	2.05	3.53	5.31	7.71	10.48	12.83	15.47
1"	60	0.08	0.67	1.73	2.77	5.12	8.01	11.87	18.69	23.21	32.85
1"	90	0.11	0.93	2.77	5.08	7.73	12.21	17.32	24.47	26.78	43.88
1-1/4"	15	0.02	0.26	0.82	1.64	2.8	4.08	5.89	7.98	10.85	12.86
1-1/4"	30	0.05	0.48	1.37	2.47	4.12	6.09	8.83	11.76	14.88	17.38
1-1/4"	60	0.07	0.66	2.03	3.42	6.48	10.79	15.38	22.34	33.36	44.19
1-1/4"	90	0.09	0.78	2.93	5.42	10.23	17.28	19.48	34.94	51.75	66.01
1-1/2"	15	0.05	0.38	1.16	2.28	3.84	5.59	8.11	10.98	18.86	17.85
1-1/2"	30	0.07	0.64	1.87	3.41	5.67	8.35	12.13	16.18	20.43	23.89
1-1/2"	60	0.09	0.91	2.8	4.69	8.88	14.86	21.16	30.72	45.89	59.75
1-1/2"	90	0.11	1.06	4.02	7.43	14.05	23.77	26.77	48.02	71.16	90.51
2"	15	0.05	0.68	2.25	4.44	7.29	10.68	15.41	21.38	28.76	35.06
2"	30	0.08	1.18	3.78	7.53	12.26	17.82	26.43	36.45	48.08	55.92
2"	60	0.11	1.52	5.79	10.39	20.59	33.99	48.76	69.03	104.24	136.51
2"	90	0.16	1.88	7.29	13.57	25.38	42.29	55.55	87.05	129.76	167.33
2-1/2"	15	0.08	1.76	2.43	5.24	8.09	11.74	16.43	22.36	27.23	32.11
2-1/2"	30	0.09	1.14	4.42	7.92	13.4	20.04	30.42	41.92	69.76	77.19
2-1/2"	60	0.13	1.45	5.91	11.91	23.23	37.93	59.32	83.28	113.65	162.5
2-1/2"	90	0.18	1.82	7.28	16.45	31.15	53.54	77.89	118.29	177.32	240.11
3"	15	0.07	0.91	2.99	6.64	9.59	13.49	19.62	26.68	31.8	38.39
3"	30	0.12	1.21	4.14	9.48	15.97	26.77	38.92	53.32	69.76	85.92
3"	60	0.16	2.88	6.69	15.83	29.36	46.33	73.59	106.73	149.89	193.19
3"	90	0.2	4.11	8.66	21.08	41.08	69.28	105.92	161.03	237.22	360.22
4"	15	0.11	1.39	3.76	8.88	16.78	27.91	41.86	59.27	75.54	97.06
4"	30	0.18	1.74	7.83	18.58	35.22	58.59	87.88	124.42	158.52	197.09
4"	60	0.26	2.19	12.45	33.67	62.98	106.25	160.5	233.97	329.49	437.3
4"	90	0.35	4.36	19.68	50.28	91.82	157.42	240.52	365.16	546.61	830.86
6"	15	0.22	2.49	6.66	15.78	29.89	49.74	74.55	105.55	134.47	172.06
6"	30	0.29	3.12	13.96	33.15	62.69	104.36	156.54	221.57	282.32	349.7
6"	60	0.46	5.42	22.14	59.98	112.16	189.23	285.82	416.69	586.82	800.79
6"	90	0.68	7.79	35.06	89.57	163.56	280.37	428.33	650.33	973.49	1479.25
8"	15	0.33	4.24	11.32	26.87	50.79	84.6	126.89	395.08	503.39	292.35
8"	30	0.51	5.33	23.77	56.36	106.69	177.63	266.38	377.05	480.46	595.19
8"	60	0.8	6.67	23.82	102.06	190.87	322.05	486.42	709.12	998.69	1325.4
8"	90	1.07	13.25	59.63	152.42	278.32	477.14	728.95	1106.68	1656.78	2518.19
10"	15	0.52	6.65	17.69	41.98	79.59	132.2	198.19	617.29	786.49	457.11
10"	30	0.77	8.31	37.13	88.06	166.74	277.52	416.23	589.15	750.73	930.09
10"	60	1.24	10.42	37.19	159.46	298.24	503.21	760.01	1107.99	1560.44	2070.89
10"	90	1.67	20.73	93.19	238.14	434.91	745.52	1139.01	1729.19	2588.69	3934.66
12"	15	0.75	9.39	24.79	58.79	111.16	185.01	277.5	864.21	1101.06	640.49
12"	30	1.09	11.62	52.01	123.26	233.41	388.53	582.72	824.83	1051.03	1301.81
12"	60	1.73	14.57	52.08	223.24	417.53	704.52	1064.02	1551.18	2184.64	2910.26
12"	90	2.32	29.99	132.09	338.39	610.75	1045.59	1601.01	2449.25	3640.21	5505.25
Fl		0.96	0.95	0.94	0.93	0.92	0.90	0.89	0.86	0.82	0.75
Xt		0.98	0.77	0.71	0.67	0.64	0.63	0.62	0.55	0.43	0.40

Valve Flow Coefficient (Cv):

Number of U.S. gallons per minute of 60 deg F water that will flow through a valve with a one psi pressure drop.

Ball Valves have an inherent equal percentage characteristic flow curve which is very desirable for a majority of control applications. The V Profile provides a more linear equal percentage flow characteristic.

PRESSURE / TEMPERATURE CHART



Live Loaded Packing System

- Blow-Out proof stem design to ensure workman safety.
- Live-Loaded stem packing to compensate for temperature fluctuations and normal wear.
- Care is taken not to over torque the stem packing at the testing facility..

Reliable Body Seal

- The body and end connections are bolted with a metal to metal contact to ensure that proper compression on the body gasket is achieved. This metal to metal contact also guarantees that the dimensions inside the valve are correct. The torque is constant, and both the body and seat seal gaskets will always have the proper compression.

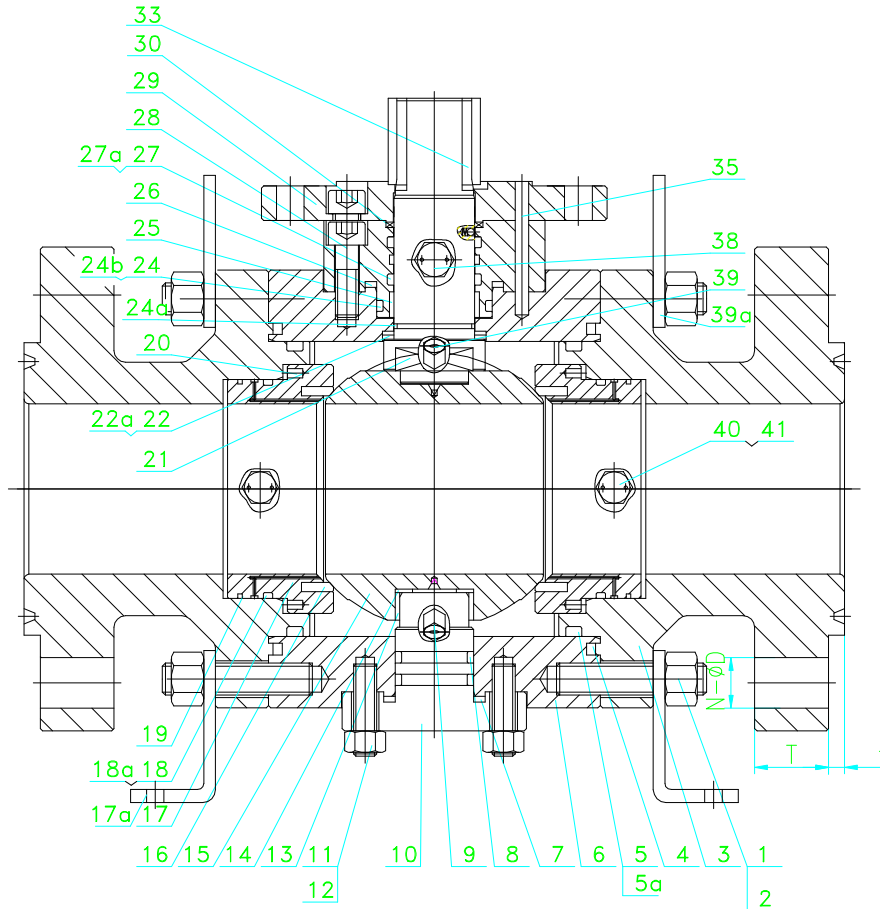
Specifications

Valves covered in this bulletin are available to conform to the following industry standards and specifications

- Flanged Ends meet ANSI B16.10 and B16.5
- Butt Weld end connections meet MSS SP72
- Pressure Testing Of Valves MSS-SP-61
- Standard Marking for Valves MSS-SP-25
- Valves are tested per ANSI FCI 70-2-1976
- Minimum wall thickness meets ANSI B16.34
- Valves are tested per ANSI FCI 70-2-1976 and B16.34
- ASME B31.1 Power Piping
- ASME B31.3 Chemical Plant Piping
- MSS SP-55 Quality Standards For Castings
- MSS SP-6 Standard Finishes for Contact Faces of Pipe Flanges
- API 607 Fire Test For Soft Seated Valves
- NACE MRO175 Sulfide Stress Cracking Resistant Materials For oilfied Equipment*
- API 6D Specifications for Pipeline Valves

* Must specify this as a requirement at time of order

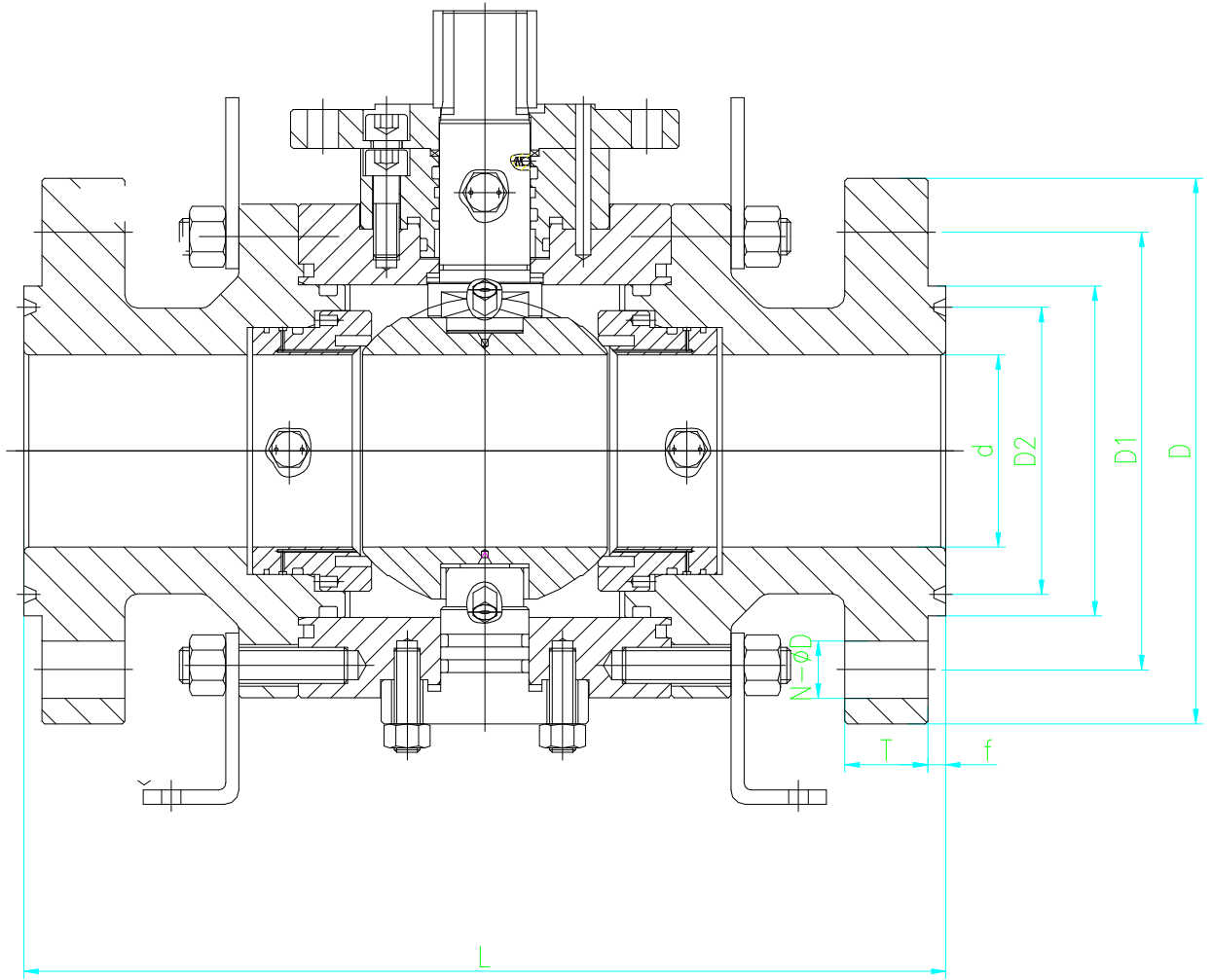
BILL OF MATERIAL



NO.	Part Name	Material
1	Stud	A193 B8M
2	Nut	A194 8m
3	Tailpiece(s)	A182 F316 / CF8M / WCB
4	Gasket	316 + Graphite
5	O-Ring	Viton
5a	Thrust Washer	PTFE
6	Body	A182 F316 / CF8M / WCB
7	Gasket	316 + Graphite
8	O-Ring	Viton
9	Drain Valve	SS 316
10	Trunnion	A182 F316*
11	Stud	A193 B8M
12	Nut	A194 8M
13	Bearing	304 + PTFE
14	Thrust Bearing	PEEK
15	Ball	A182 F316 / A182 F51
16	Seat	Devlon/ TFE/ PEEK
17	Seat Retainer	A182 F316
17a	Foot Stand	A36+Zinc
18	O-Ring	Viton
18a	Thrust Washer	PTFE
19	Packing	Graphite

NO.	Part Name	Material
20	Spring	X750
21	Stem	A182 F316 / A182 F51
22	Thrust Bearing	PEEK
22a	Thrust Washer	A240 316
23	Anti-Static Device	x750
24	O-Ring	Viton
24a	O-Ring	Viton
24b	Thrust Washer	PTFE
25	Bearing	316 + Graphite
26	Gasket	316 + Graphite
27	O-Ring	Viton
27a	Thrust Washer	PTFE
28	Bolt	ASTM A183 B8m
29	Seal Sleeve	A182 F316
30	Packing	Graphite
33	Key	ANSI 1045
35	Pin	ANSI 1035
38	Sealant Fitting	SS 316
39	Release Valve	SS 316
39a	Lifting Lug	A36 + Zn
40	Check Valve	SS 316
41	Sealant Fitting	SS 316

DIMENSIONS



Class 150, Class 300 Full Port

Full Bore Body Design

standards: DIN, JIS, GB or others

Pressure Class	DN	d	L			D	D1	D2		f		R	T	N	Z	Weight Lbs RF, RTJ	
			RF	RTJ	BW			RF	RTJ	RF	RTJ						
ANSI Class 150	2	50	1.97	7.00	7.50	8.50	6.00	4.75	3.62	4.00	0.06	0.25	R22	0.75	4	0.75	42
	3	80	2.95	8.00	8.50	11.12	7.50	6.00	5.00	5.25	0.06	0.25	R29	0.94	4	0.75	62
	4	100	3.94	9.00	9.50	12.00	9.00	7.50	6.19	6.75	0.06	0.25	R36	0.94	8	0.75	110
	6	150	5.91	15.50	16.00	18.00	11.00	9.50	8.50	8.62	0.06	0.25	R43	1.00	8	0.88	353
	8	200	7.91	18.00	18.50	20.50	13.50	11.75	10.62	10.75	0.06	0.25	R48	1.12	8	0.88	595
	10	250	9.92	21.00	21.50	22.00	16.00	14.25	12.75	13.00	0.06	0.25	R52	1.19	12	1.00	915
	12	300	11.93	24.00	24.50	25.00	19.00	17.00	15.00	16.00	0.06	0.25	R56	1.25	12	1.00	1455
	14	350	13.15	27.00	27.50	30.00	21.00	18.75	16.25	16.75	0.06	0.25	R59	1.38	12	1.12	1962
ANSI Class 300	16	400	15.16	30.00	30.50	33.00	23.50	21.25	18.50	19.00	0.06	0.25	R64	1.44	16	1.12	2381
	2	50	1.97	8.50	9.12	8.50	6.50	5.00	3.62	4.25	0.06	0.312	R23	0.88	8	0.75	49
	3	80	2.95	11.12	11.74	11.12	8.25	6.62	5.00	5.75	0.06	0.312	R31	1.12	8	0.88	84
	4	100	3.94	12.00	12.62	12.00	10.00	7.88	6.19	6.88	0.06	0.312	R37	1.25	8	0.88	132
	6	150	5.91	15.88	16.50	18.00	12.50	10.62	8.50	9.50	0.06	0.312	R45	1.44	12	1.00	397
	8	200	7.91	19.75	20.37	20.50	15.00	13.00	10.62	11.88	0.06	0.312	R49	1.62	12	1.12	650
	10	250	9.92	22.38	23.00	22.00	17.50	15.25	12.75	14.00	0.06	0.312	R53	1.88	16	1.25	992
	12	300	11.93	25.50	26.12	25.00	20.50	17.75	15.00	16.25	0.06	0.312	R57	2.00	16	1.25	1543
14	350	13.15	30.00	30.62	30.00	23.00	20.25	16.25	18.00	0.06	0.312	R61	2.12	20	1.38	2557	
16	400	15.16	33.00	33.62	33.00	25.50	22.50	18.50	20.00	0.06	0.312	R65	2.25	20	1.38	2954	

Note: All weights are estimated.



DIMENSIONS

Class 150 & 300 Reduced Port

Reduced Bore Body Design

Pressure Class	NPS	DN	d	d1	L		D	D1	D2		f		R	T	N	Weight Lbs RF, RTJ
					RF	RTJ			RF	RTJ	RF	RTJ				
ANSI Class 150	3" x 2"	80	2.95	1.97	8.00	8.50	7.50	6.00	5.00	5.25	0.06	0.25	R29	0.94	4	62
	4" x 3"	100	3.94	2.95	9.00	9.50	9.00	7.50	6.19	6.75	0.06	0.25	R36	0.94	8	110
	6" x 4"	150	5.91	3.94	15.50	16.00	11.00	9.50	8.50	8.62	0.06	0.25	R43	1.00	8	353
	8" x 6"	200	7.91	5.91	18.00	18.50	13.50	11.75	10.62	10.75	0.06	0.25	R48	1.12	8	595
	10" x 8"	250	9.92	7.91	21.00	21.50	16.00	14.25	12.75	13.00	0.06	0.25	R52	1.19	12	915
	12" x 10"	300	11.93	9.92	24.00	24.50	19.00	17.00	15.00	16.00	0.06	0.25	R56	1.25	12	1455
	14" x 10"	350	13.15	11.93	27.00	27.50	21.00	18.75	16.25	16.75	0.06	0.25	R59	1.38	12	1962
	14" x 12"	350	13.15	11.93	27.00	27.50	21.00	18.75	16.25	16.75	0.06	0.25	R59	1.38	12	1962
ANSI Class 300	16" x 12"	400	15.16	13.15	30.00	30.50	23.50	21.25	18.50	19.00	0.06	0.25	R64	1.44	16	2381
	16" x 14"	400	15.16	15.16	30.00	30.50	23.50	21.25	18.50	19.00	0.06	0.25	R64	1.44	16	2381
	3" x 2"	80	2.95	1.97	11.12	11.74	8.25	6.62	5.00	5.75	0.06	0.312	R31	1.12	8	93
	4" x 3"	100	3.94	2.95	12.00	12.62	10.00	7.88	6.19	6.88	0.06	0.312	R37	1.25	8	137
	6" x 4"	150	5.91	3.94	15.88	16.50	12.50	10.62	8.50	9.50	0.06	0.312	R45	1.44	12	254
	8" x 6"	200	7.91	5.91	19.75	20.37	15.00	13.00	10.62	11.88	0.06	0.312	R49	1.62	12	432
	10" x 8"	250	9.92	7.91	22.38	23.00	17.50	15.25	12.75	14.00	0.06	0.312	R53	1.88	16	772
	12" x 10"	300	11.93	9.92	25.50	26.12	20.50	17.75	15.00	16.25	0.06	0.312	R57	2.00	16	1217
14" x 10"	350	13.15	11.93	30.00	30.62	23.00	20.25	16.25	18.00	0.06	0.312	R61	2.12	20	1420	
14" x 12"	350	13.15	11.93	30.00	30.62	23.00	20.25	16.25	18.00	0.06	0.312	R61	2.12	20	1720	
16" x 12"	400	15.16	13.15	33.00	33.62	25.50	22.50	18.50	20.00	0.06	0.312	R65	2.25	20	2002	
16" x 14"	400	15.16	15.16	33.00	36.62	25.50	22.50	18.50	20.00	0.06	0.312	R65	2.25	20	2436	

Note: All weights are estimated.

Class 600 & 900 Full Port

Full Bore Body Design

Pressure Class	NPS	DN	d	L			D	D1	D2		f		R	T	N	Z	Weight Lbs RF, RTJ
				RF	RTJ	BW			RF	RTJ	RF	RTJ					
ANSI Class 600	2	50	1.97	11.50	11.62	11.50	6.50	5.00	3.62	4.25	0.25	0.312	R23	1.00	8	0.75	84
	3	80	2.95	14.00	14.12	14.00	8.25	6.62	5.00	5.75	0.25	0.312	R31	1.25	8	0.88	143
	4	100	3.94	16.00	17.12	16.00	10.75	8.50	6.19	6.88	0.25	0.312	R37	1.50	8	1.00	260
	6	150	5.91	19.50	22.12	19.50	14.00	11.50	8.50	9.50	0.25	0.312	R45	1.88	12	1.12	551
	8	200	7.91	23.50	26.12	23.50	16.50	13.75	10.62	11.88	0.25	0.312	R49	2.19	12	1.25	948
	10	250	9.92	26.50	31.12	26.50	20.00	17.00	12.75	14.00	0.25	0.312	R53	2.50	16	1.38	1499
	12	300	11.93	30.00	33.12	30.00	22.00	19.25	15.00	16.25	0.25	0.312	R57	2.62	20	1.38	2172
ANSI Class 900	2	50	1.97	14.50	14.62	14.50	8.50	6.50	3.62	4.88	0.25	0.312	R24	1.50	8	1.00	126
	3	80	2.95	15.00	15.12	15.00	9.50	7.50	5.00	6.62	0.25	0.312	R31	1.50	8	1.00	192
	4	100	3.94	18.00	18.12	18.00	11.50	9.25	6.19	7.62	0.25	0.312	R37	1.75	8	1.25	425
	6	150	5.91	24.00	24.12	24.00	15.00	12.50	8.50	9.75	0.25	0.312	R45	2.19	12	1.25	750
	8	200	7.91	29.00	29.12	29.00	18.50	15.50	10.62	12.50	0.25	0.312	R49	2.50	12	1.50	1257
	10	250	9.92	33.00	33.12	33.00	21.50	18.50	12.75	14.62	0.25	0.312	R53	2.75	16	1.50	2011
	12	300	11.93	38.00	38.12	38.00	24.00	21.00	15.00	17.25	0.25	0.312	R57	3.12	20	1.50	2921

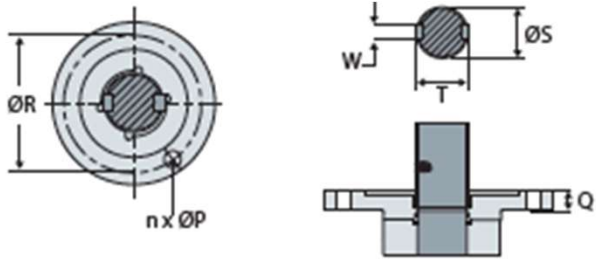
Note: All weights are estimated.

Class 1500 & 2500 Full Port

Full Bore Body Design

Pressure Class	NPS	DN	d	L			D	D1	D2		f		R	T	N	Z	Weight Lbs RF, RTJ
				RF	RTJ	BW			RF	RTJ	RF	RTJ					
ANSI Class 1500	2	50	1.97	14.50	14.62	14.50	8.50	6.50	3.62	4.88	0.25	0.312	R24	1.50	8	1.00	126
	3	80	2.95	18.50	18.62	18.50	10.50	8.00	5.00	6.62	0.25	0.312	R35	1.88	8	1.25	370
	4	100	3.94	21.50	21.62	21.50	12.25	9.50	6.19	7.62	0.25	0.312	R39	2.12	8	1.38	507
	6	150	5.67	27.75	28.00	27.75	15.50	12.50	8.50	9.75	0.25	0.375	R46	3.25	12	1.50	1510
	8	200	7.56	32.75	33.13	32.75	19.00	15.50	10.62	12.50	0.25	0.438	R50	3.62	12	1.75	2189
	10	250	9.41	39.00	39.38	39.00	23.00	19.00	12.75	14.62	0.25	0.438	R54	4.25	12	2.00	3926
	12	300	11.30	44.50	45.12	44.50	26.50	22.50	15.00	17.25	0.25	0.562	R58	4.88	16	2.12	5027
	14	350	12.40	49.50	50.25	49.50	29.50	25.00	16.25	19.25	0.25	0.625	R63	5.25	16	2.38	6614
	16	400	14.17	54.50	55.38	54.50	32.50	27.75	18.50	21.50	0.25	0.688	R67	5.75	16	2.62	8413
	18	450	15.98	60.50	61.38	C/F	36.00	30.50	21.00	24.12	0.25	0.688	R71	6.38	16	2.88	13658
20	500	17.87	65.50	66.38	C/F	38.75	32.75	23.00	26.50	0.25	0.688	R75	7.00	16	3.12	20007	
ANSI Class 2500#	2	50	1.65	17.75	17.87	17.75	9.25	6.75	3.62	5.25	0.25	0.312	R26	2.00	8	1.12	309
	3	80	2.44	22.75	23.00	22.75	12.00	9.00	5.00	6.62	0.25	0.375	R32	2.62	8	1.38	476
	4	100	3.43	26.50	26.88	26.50	14.00	10.75	6.19	8.00	0.25	0.438	R38	3.00	8	1.62	723
	6	150	5.16	36.00	36.50	36.00	19.00	14.50	8.50	11.00	0.25	0.500	R47	4.25	8	2.12	2271
	8	200	7.05	40.25	40.87	40.25	21.75	17.25	10.62	13.38	0.25	0.562	R51	5.00	12	2.12	3461
	10	250	8.78	50.00	50.88	50.00	26.50	21.25	12.75	16.75	0.25	0.688	R55	6.50	12	2.62	5622

DIMENSIONS



n = Number of Bolts
 ØP = Hole Diameter
 Q = Min. Flange Thickness
 ØR = Bolt Circle Diameter
 ØS = Stem Diameter
 T = Stem Diameter Over Keys
 W = Key Width

CLASS 150

ISO 5211 FLANGE IN MILLIMETERS (MM)								
SIZE (DN)	ISO	N	ØP	Q	ØR	ØS	T	W
50	F10	4	10.9	13	102	22	27	6
80	F10	4	13.0	13	102	30	36	10
100	F12	4	14.0	15	125	30	36	8
150	F16	4	22.1	15	165	36	42	10
200	F16	4	22.1	20	165	43	49	12
250	F25	8	18.0	20	254	53	61	16
300	F25	8	18.0	20	254	53	61	16
350	F25	8	18.0	30	254	62	70	18
400	F25	8	18.0	30	254	62	70	18
450	F25	8	18.0	30	254	72	81	20
500	F25	8	18.0	30	254	72	81	20
600	F30	8	22.1	35	298	85	95	22

CLASS 900

ISO 5211 FLANGE IN METRIC UNITS (MM)								
SIZE (DN)	ISO	N	ØP	Q	ØR	ØS	T	W
50	F12	4	14.0	18	125	25	31	8
80	F14	4	18.0	23	140	35	41	10
100	F16	4	22.1	23	165	40	46	12
150	F16	4	22.1	23	165	50	57	16
200	F25	8	18.0	25	254	60	68	18
250	F25	8	18.0	25	254	75	84	20
300	F25	8	18.0	25	254	85	95	22
350	F30	8	22.1	30	298	90	100	25
400	F30	8	22.1	30	298	100	112	28
450	F35	8	33.0	38	356	105	117	28
500	F35	8	33.0	38	356	115	129	32
600	F40	8	39.1	45	406	140	156	36

CLASS 300

ISO 5211 FLANGE IN MILLIMETERS (MM)								
SIZE (DN)	ISO	N	ØP	Q	ØR	ØS	T	W
50	F10	4	10.9	13	102	22	27	6
80	F10	4	13.0	13	102	30	36	10
100	F12	4	14.0	15	125	30	36	8
150	F16	4	22.1	15	165	36	42	10
200	F16	4	22.1	20	165	43	49	12
250	F25	8	18.0	25	254	53	61	16
300	F25	8	18.0	25	254	62	70	18
350	F25	8	18.0	30	254	62	70	18
400	F25	8	18.0	30	254	72	81	20
450	F25	8	18.0	30	254	85	95	22
500	F25	8	18.0	30	254	85	95	22
600	F30	8	22.1	35	298	100	112	28

CLASS 1500

ISO 5211 FLANGE IN MILLIMETERS (MM)								
SIZE (DN)	ISO	N	ØP	Q	ØR	ØS	T	W
50	F12	4	14.0	18	125	25	31	8
80	F14	4	18.0	23	140	35	41	10
100	F16	4	22.1	23	165	40	46	12
150	F25	8	18.0	25	254	63	71	18
200	F25	8	18.0	25	254	75	84	20
250	F25	8	18.0	25	254	85	95	22
300	F30	8	22.1	30	298	105	117	28

CLASS 600

ISO 5211 FLANGE IN MILLIMETERS (MM)								
SIZE (DN)	ISO	N	ØP	Q	ØR	ØS	T	W
50	F12	4	14.0	18	125	25	31	8
80	F14	4	18.0	23	140	35	41	10
100	F16	4	22.1	23	165	40	46	12
150	F16	4	22.1	25	165	50	57	14
200	F16	4	22.1	25	165	50	57	14
250	F25	8	18.0	30	254	60	68	18
300	F25	8	18.0	30	254	80	90	22
350	F25	8	18.0	30	254	80	90	22
400	F25	8	18.0	30	254	80	90	22
450	F30	8	22.1	35	298	100	112	28
500	F30	8	22.1	35	298	100	112	28

CLASS 2500

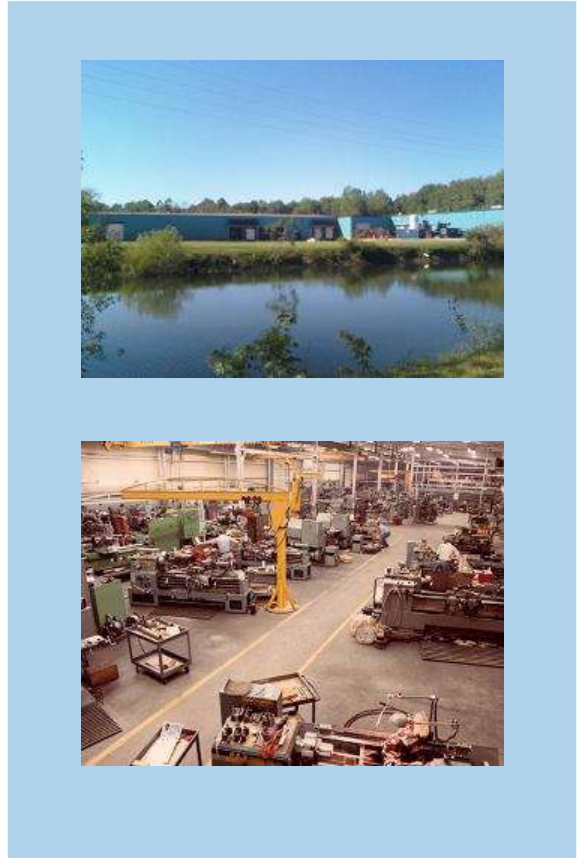
ISO 5211 FLANGE IN MILLIMETERS (MM)								
SIZE (DN)	ISO	N	ØP	Q	ØR	ØS	T	W
50	F14	4	18.0	20	140	36	42	10
80	F16	4	22.1	20	165	43	49	12
100	F25	8	18.0	25	254	53	61	16
150	F25	8	18.0	25	254	72	81	20
200	F25	8	18.0	25	254	90		

Mounting Dimensions Can Change. Ask for updated mounting information at time of order.



Jarecki Valves has been an American valve manufacturer and rebuilder for more than 40 years, providing customers with high quality metal and soft seated ball, control, and check valves. Jarecki Valves got its start engineering and manufacturing valves for the Navy Nuclear Industry, which involved working with exotic materials and manufacturing valves for critical service. In 1980 Jarecki Valves worked closely with Hammermill Paper and developed a specially designed valve for Green and Black Liquor Service. Jarecki Valves has had high temperature valves in Power Plants since the mid 1980's. It has been producing high alloy valves for the Chemical Industry since 1989.

Jarecki supplies metal seated ball valves to a variety of industries. Some of which include Aerospace, Chemical, Petrochemical, Power, Oil and Gas, Mining, and Municipal.



ORDERING INFORMATION

SIZE	-	SERIES	PORT SIZE	SEAT	SEAT MATERIAL	BALL	BALL COATING	BODY	-	CLASS	END CONNECTION	OPTIONS
2"		TV	F FULL	0 No Seat Seal	A AICrN	A 316SST	A AICrN	A CF8M		01 150#	B RF Flanged	V90 90 Deg V
TO			R REDUCED	1 O SEAT	B Boronizing	F Hastelloy	B Boronizing	B WCB		03 300#	C RTJ Flanged	V60 60 Deg V
12"				2 G SEAL	C COLMONOY	G Incoloy	C CHROME	H Alloy 20		06 600#	D BUTTWELD	V30 30 Deg V
					G Graphite	H Alloy 20	E ENP	X 2205 SST		09 900#		V15 15 Deg V
					M Tantalum	I Monel	I Ceramic			15 1500#		SL.12 Slot .125
					Chrome Oxide	X 2205 SST	M Tantalum					SL.063 Slot .063
					N HARD CARBON		Chrome Oxide					SG Segmented
					P PEEK		N HARD CARBON					
					Q CERAMIC		L Colmonoy					
					R CHROME CARBIDE		Q CERAMIC					
					S STELLITE		R CHROME CARBIDE					
					T TFE		S STELLITE					
					U UHMWPE		T TFE					
					W TUNGSTEN CARBIDE		U Micro Tuff™					
							w TUNGSTEN CARBIDE					
							O no coating					

Example: 4" TV Series, Full Port, O-Ring Seat Seals, Stellite Seats, 316ss Ball with Tungsten Carbide Coating, WCB body, 900# Flanged RF, With 90 Deg V Port

2 - TV F 1 W A W B - 09 B V90

