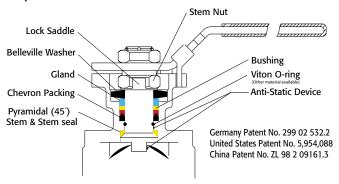


Triac "V" Series Ball Valves are ideal for achieving more precise control with the simplicity and sealing features of a ball valve. We offer them 1/2" – 4" in a 3-piece design and 1/2" – 6" flanged. The standard "V" notch options are 30, 60 & 90. While they are available as manual valves, we specialize in automating them to suit your particular control requirements.



Easy to Automate!

See automated data sheets for pre-sized assemblies





Pneumatic

Electric



"V" Series Control Port Ball Valves

Sizes 1/2" - 6"

3 Piece and 150# Flanged

316SS or WCB

30, 60 & 90 "V" Notch Standard Others on Request



HOW TO ORDER
MANUAL VALVES
SAMPLE PART #
V8C-TH-0200-XXX

V Port
Valve Series
Carbon Steel
Threaded Ends
Valve Size

Seat Material

Special Designation

Additional Special Designation (V30, V60 or V90)

See part number matrix for itemized options



Triac Division 11363 Deerfield Rd. Cincinnati, Ohio 45242

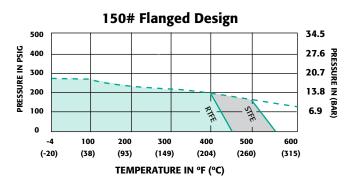
PHONE (513) 247-5465 FAX (513) 247-5462 e-mail: sales@a-tcontrols.com www.a-tcontrols.com

"V" Series

"V" Series Flow Coefficients- Cv Chart

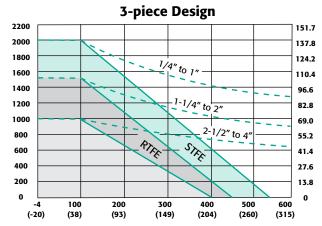
Valve	Ball											
Size	Angle	0%	15%	20%	30 %	40 %	50 %	60 %	70 %	80 %	90%	100%
	30	0	0.1	0.1	0.2	0.3	0.5	0.8	1.1	1.6	2.2	2.6
1/2"	60	0	0.1	0.1	0.3	0.5	0.9	1.4	2	3.3	4.4	6
	90	0	0.1	0.2	0.4	0.6	0.9	1.5	2.2	3.8	5.4	6.9
	30	0	0.1	0.2	0.5	0.7	1.1	1.8	2.4	3.3	4.5	5.4
3/4"	60	0	0.1	0.2	0.7	1	1.7	2.8	4	6.5	9	12
	90	0	0.2	0.4	0.8	1.2	2	3.1	4.6	8	11.3	14
	30	0	0.1	0.3	8.0	1.3	2.3	3.5	5.1	9.8	8.5	10
1"	60	0	0.2	0.4	1.1	1.8	3.4	5.3	7.9	12.3	15.3	21
	90	0	0.2	0.6	1.8	3.4	5.1	8.1	11.4	16	21	29
	30	0	0.2	0.4	1.1	2	3.7	5.5	8	10	13	15
1 1/4"	60	0	0.2	0.6	1.8	3	5.5	9.5	12.8	19	26	39
	90	0	0.3	0.8	2	5	8	14	19	28	39	55
	30	0	0.3	0.6	1.6	3	5	7.5	11	14	17	20
1 1/2"	60	0	0.4	0.8	2.5	4	8	13	19	27	40	52
	90	0	0.4	0.9	3.5	7	13	20	31	42	63	78
	30	0	0.4	1.2	3.8	6	10	15	23	31	43	60
2"	60	0	0.4	1.5	4.6	9	16.5	27	39	55	83	110
	90	0	0.5	2	6	12	22	35	45	70	105	135
	30	0	0.4	1	4	8	12	18	28	37	62	75
2 1/2"	60	0	0.4	1.5	5	10	21	34	53	75	103	150
	90	0	0.5	1.7	7	14	28	48	70	106	160	218
	30	0	0.5	1.2	4	8	14	23	33	46	65	82
3"	60	0	0.5	2.5	6	14	25	40	65	91	128	165
	90	0	0.7	3.5	8	18	35	60	90	135	205	310
	30	0	0.6	2	6	15	29	48	71	100	130	159
4"	60	0	0.7	3	11	25	40	59	90	141	212	356
	90	0	1	3.5	16	40	75	125	190	295	442	670
	30	0	0.9	3.2	14	33	60	103	155	220	280	350
6"	60	0	2	5	22	60	110	190	285	416	586	800
	90	0	3	8	35	90	160	280	425	650	970	1480
FL		0	0.96	0.95	0.94	0.93	0.92	0.9	0.88	0.86	0.82	0.75
Xt		0	0.98	0.77	0.71	0.67	0.64	0.63	0.62	0.55	0.43	0.4

Pressure vs. Temperature Charts 1"-6"

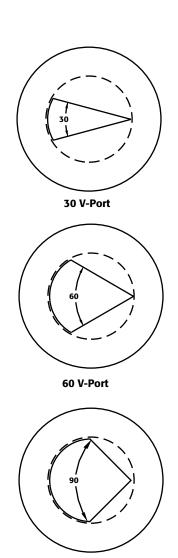


NOTE: Dotted line shows the rating for valve body. Solid line shows the rating for valve seat. Both ratings need to be consulted when determining the limitation of the valve for specific application.

Consult factory for other seat material.



Triac "V" port control valves are available with 30V, 60V & 90V notch. V port valves offer better and more consistent control than traditional round ported ball valves. We offer this valve with the control port cast and machined into the ball, not in the seat. This allows for much better flow characteristics and eliminates the need to replace seats. The 30 option allows for finer tapered control throughout the valve rotation and the 60 & 90 offers a larger Cv in addition to controlled flow.

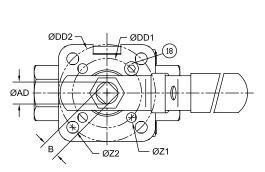


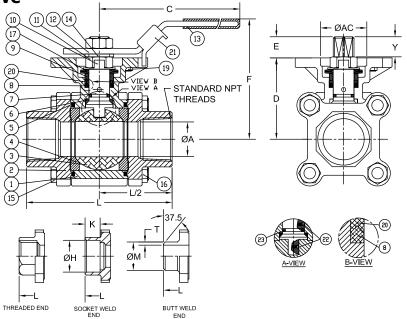
The 50/50 seat is standard with all V port valves. The 50% SST powder and 50% PTFE offers both strength and superior sealing properties.



"V" Series **3 Piece**

88 Series V-Port Control Valve



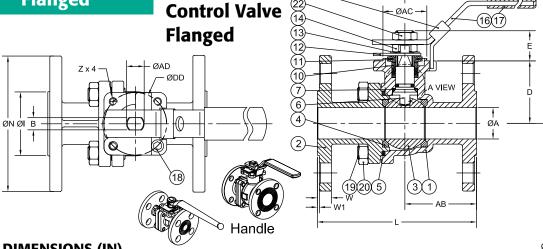


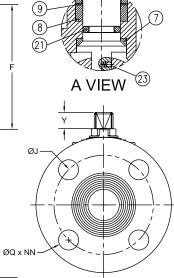
DIMENSIONS (IN)

SIZE	ØA	В	С	D	Е	F	Н	K	L	М	Т	Υ	AC	AD	DD1	DD2	ØZ2	ØZ1	(LBS)	ISO5211
1/2"	0.59	0.354	5.47	1.66	0.25	3.00	0.85	0.39	2.85	0.85	0.06	0.25	1.07	0.44	1.654	1.969	0.28	0.28	2.0	F04/F05
3/4"	0.79	0.354	5.47	1.83	0.33	3.20	1.07	0.51	3.36	1.07	0.06	0.33	1.07	0.44	1.969	2.756	0.34	0.28	3.0	FO5/F07
1"	0.98	0.433	6.50	2.31	0.41	3.86	1.34	0.51	4.15	1.34	0.06	0.41	1.34	0.56	1.969	2.756	0.34	0.28	4.5	FO5/F07
1-1/4"	1.26	0.433	6.50	2.46	0.41	4.00	1.69	0.51	4.37	1.68	0.06	0.41	1.34	0.56	1.969	2.756	0.34	0.28	6.0	FO5/F07
1-1/2"	1.50	0.551	8.46	3.11	0.53	5.04	1.92	0.51	5.01	1.91	0.06	0.53	1.54	0.74	1.969	2.756	0.34	0.28	10.0	FO5/F07
2"	1.97	0.551	8.46	3.42	0.53	5.35	2.40	0.63	5.62	2.38	0.06	0.53	1.54	0.74	1.969	2.756	0.35	0.30	13.0	FO5/F07
2-1/2"	2.56	0.748	10.31	4.28	0.66	6.60	2.89	0.63	7.28	3.00	N/A	0.66	2.09	0.94	2.756	4.016	0.47	0.39	26.0	FO7/F10
3"	3.15	0.748	10.31	4.63	0.70	6.96	3.54	0.63	8.07	3.54	N/A	0.70	2.09	0.94	2.756	4.016	0.47	0.39	34.0	FO7/F10
4"	3.94	0.748	12.28	5.26	0.66	7.59	4.54	0.79	9.45	4.57	N/A	0.66	2.09	0.94	2.756	4.016	0.47	0.39	52.0	FO7/F10









DIMENSIONS (IN) INVESTMENT CAST BODY

Cast Handle

SIZE	Α	В	С	D	Е	F	1	J	L	N	Q	W	W1	Υ	Z	AB	AC	AD	DD	NN	(LBS)	ISO 5211
1/2"	0.59	0.315	6.69	1.34	0.92	3.15	1.47	2.38	4.26	3.50	0.63	0.44	0.06	0.36	M5	1.82	1.17	0.43	1.654	4	3.7	F04
3/4"	0.79	0.315	6.69	1.65	0.94	3.43	1.82	2.75	4.62	3.88	0.63	0.44	0.06	0.40	M5	2.17	1.17	0.43	1.654	4	4.6	F04
1"	0.98	0.382	8.05	1.95	0.94	3.85	2.08	3.13	5.00	4.26	0.63	0.44	0.06	0.32	M6	2.20	1.37	0.56	1.969	4	3.1	F05
1-1/2"	1.50	0.472	10.28	3.08	1.37	6.02	2.88	3.88	6.50	5.00	0.63	0.56	0.06	0.58	M8	2.81	2.17	0.75	2.756	4	13.6	F07
2"	1.97	0.472	10.28	3.40	1.37	6.38	3.62	4.75	7.02	6.00	0.75	0.63	0.06	0.58	M8	3.38	2.17	0.75	2.756	4	19.2	F07
2-1/2"	2.56	0.472	10.28	3.83	1.37	6.81	4.12	5.50	7.49	7.00	0.75	0.69	0.06	0.58	M8	3.02	2.17	0.75	2.756	4	30.0	F07
3"	3.15	0.591	13.94	4.23	1.81	6.95	5.00	6.00	8.01	7.50	0.75	0.75	0.06	0.93	M10	4.01	2.76	0.94	4.016	4	41.0	F10
4"	3.94	0.591	13.94	4.82	1.79	7.52	6.19	7.50	9.04	9.00	0.75	0.94	0.06	0.93	M10	4.06	2.76	0.94	4.016	8	65.0	F10

For 6" valve dimensions please see D9 brochure.

