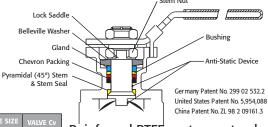


Triac 90 Series Flanged Ball Valves feature a split body design. The high quality investment castings feature a fully machined bore. The superior live-loaded packing system is accomplished with Bellville washers, "V" ring packing and a unique primary pyramidal stem seal. This advanced sealing system provides for protection against stem leaks experienced by ordinary ball valves.



VALVE SIZE	VALVE Cv
1/2"	15
3/4"	45
1"	85
1-1/2"	275
2"	460
2-1/2"	700
3"	1100
4"	2200
6"	5150
8"	10000

Reinforced RTFE seats are standard, but various options are available for seat materials. The 50/50 seat option is excellent for services that call for higher temperatures and more difficult applications including steam. Call us for details.

Easy to Automate!

See automated data sheets for pre-sized assemblies



Pneumatic



Electric



Series 90/93* Split Body Flanged Ball Valve

Sizes 1/2" – 12" Available in 316SS or WCB ANSI Class 150# Full port design Superior live-loaded packing system ISO5211 actuator mounting pad Anti-static device Each valve traceable**

STANDARDS Design Face to Face ANSI B16.34 ANSI B16.10 Flange Dimensions Pipeline Valves **ANSI B16.5** API 6D Pressure Testing API 598 Mounting Pad ISO 5211 Marking System for Valves MSS SP-25 Material Ceryification EN 10204 Quality Assurance ISO 9001





See part number matrix for itemized options

Additional Special Designation

*Series 93 denotes sand cast 6" and above TA-Luft certification applies to Series 90 only **MTRs available - call for details



11363 Deerfield Rd.

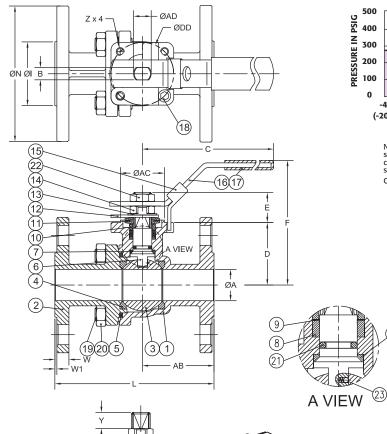
Cincinnati, Ohio 45242

Seat Material
<u>Special</u> Designation

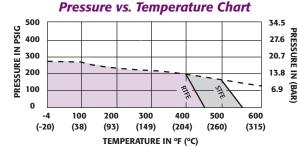
PHONE(513) 247-5465 FAX (513) 247-5462 e-mail: sales@a-tcontrols.com www.a-tcontrols.com

Series 90/93

High Performance, Full Port Split Body Flanged Ball Valve Series 90 (ANSI Class 150#)



Ø.I Handle ØQ x NN Cast Handle



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.

MATERIALS LIST

BREAKAWAY TORQUES RTFE SEATS 1/2" 92 3/4 127 1" 150 1-1/2 311 2" 396 2-1/2 657 3" 980 4" 1700 4800 6' 8 10300 10' 18000

Consult factory when using other seat material.

CF

12"

		-	MATE Stainless Steel	RIAL				
NO.	PART NAME	QTY.	Stainless Steel	Carbon Stee				
1	Body	1	CF8M	WCB				
2	End Cap	1	CF8M	WCB				
3	Ball	1	SS316	SS316				
4	Seat	2	RTFE	RTFE				
5	Joint Gasket	1	PTFE	PTFE				
6	Stem	1	SS316	SS316				
7	Stem Seal	1	RTFE	RTFE				
8	Gland Packing	&	PTFE	PTFE				
9	Gland Packing	1	RTFE	RTFE				
10	Gland Bush	1	SS304	SS304				
11	Belleville Washer	2	SS301	SS301				
12	Locking Plate	1	SS304	SS304				
13	Stop Washer	1	SS304	SS304				
14	Stem Nut	2	SS304	SS304				
15	Locking Device	1	SS304	SS304				
16	Handle	1	SS304	SS304				
17	Handle Sleeve	1	Vinyl	Vinyl				
18	Stop Pin	1	SS304	SS304				
19	Bolt	*	SS304	SS304				
20	Nut	*	SS304	SS304				
21	O-Ring	1	Viton®	Viton®				
22	Handle Nut	1	SS304	SS304				

@

SS304

SS304

23

⁴ For 1/2" − 1", Qty.=2 ⁸ For 1-1/2" − 12", Qty.= 3 ⁸ For 1/2" − 2", 4 pcs. of studs and nuts ⁸ For 2-1/2" − 8", 8 pcs. of studs and nuts [®] For 2-1/2" − 8", 8 pcs. of studs and nuts

Anti-Static Device

DIMENSIONS (IN) INVESTMENT CAST BODY

SIZE	А	В	С	D	Е	F	- I	J	L	N	Q	W	W1	Y	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

SAND CAST BODY

			-																			
6"	6.00	0.910	21.00	6.61	3.03	11.25	8.50	9.50	15.51	10.98	0.87	1.00	0.06	1.57	1/2-13	7.06	CF	1.34	4.921	8	168.0	F12
8"	8.00	0.910	21.00	8.86	2.40	13.26	10.63	11.75	17.99	13.50	0.87	1.13	0.06	1.26	1/2-13	8.40	CF	1.34	4.921	8	232.0	F12
10"	9.84	1.181	40.00	10.43	3.43	15.86	12.76	14.25	20.98	15.98	0.98	1.21	0.06	1.42	1/2-13	CF	CF	1.97	4.921	12	430.0	F12
12"	11.81	1.181	40.00	12.83	3.35	18.18	15.00	17.00	24.02	19.02	0.98	1.25	0.06	1.50	1/2-13	CF	CF	1.97	4.921	12	551.0	F12

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Triac Division

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