



## Two Piece Full Bore Economical Ball Valves

### TWO PIECE ECONOFLO SERIES

*Model* : T80SS

#### Two Piece Econoflo Series

STANDARD PRODUCT NUMBER

T80-SS-RRR-L

T82-SS-RRR-L

#### **Pressure:**

1000 MAWP/WOG / 150 SWP

#### **Materials:**

316 Stainless Steel - Standard  
Carbon Steel - Optional

#### **Temperature Range:**

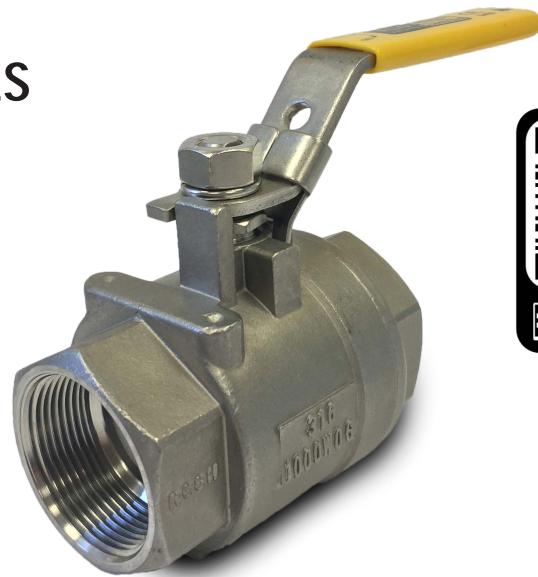
-20 °F to 450 °F  
-28.9 °C to 232 °C

#### **Size Range:**

1/4" - 4"

Threaded Ends

**Valves are also available with ISO-5211 actuator mounting pad, see model T23.**



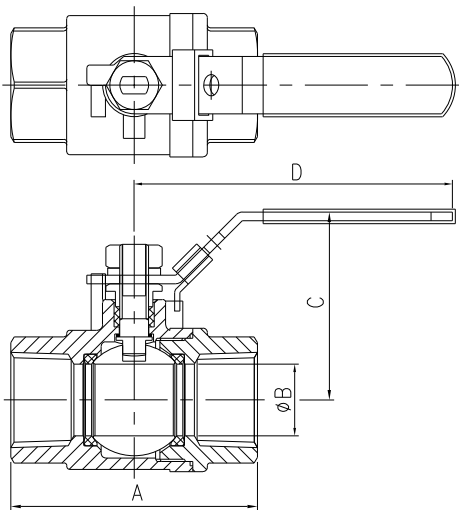
## DESIGN FEATURES

- **Full Port** - Straight through flow minimizes pressure drop and prolongs valve life
- Internal Entry Blow-out Proof Stem
- **Locking Handle** - Standard on all valves meets OSHA 1910.147
- **Adjustable V-Ring Stem Packing**
- **Bubble Tight** - Zero Leakage
- **Investment casting** improves dimensional control and reduces porosity
- **Two Piece Econoflo Series** is an ideal general purpose stainless steel valve, meeting plant - wide applications.

**Econoflo Series offers exceptional economy and proven performance**

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# T80SS Full Port Ball Valve Design & Technical Data



## DIMENSIONS AND WEIGHTS:

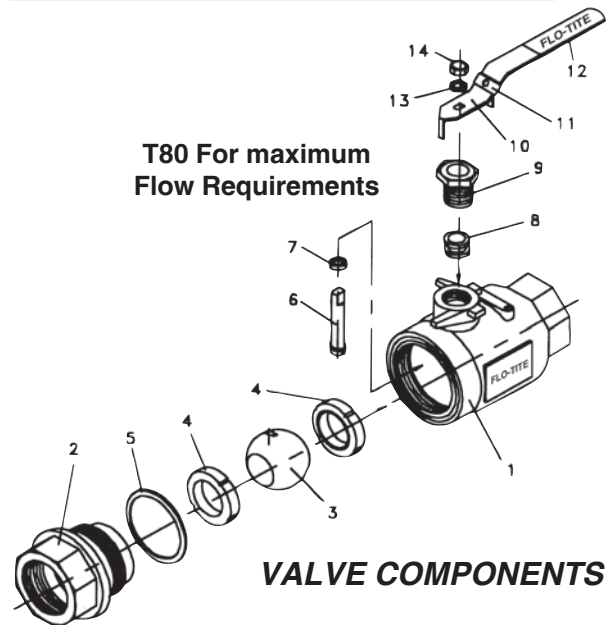
SIZE	A		B		C		D		Cv	Torque in-lb	Weight lbs
	in	mm	in	mm	in	mm	in	mm			
1/4"	1.97	50	0.43	11	2.09	53	3.70	94	10	50	0.5
3/8"	2.05	52	0.43	11	2.09	53	3.70	94	12	54	0.5
1/2"	2.32	59	0.49	12.5	2.09	53	3.70	94	38	59	0.58
3/4"	2.72	69	0.79	20	2.22	56.5	3.70	94	66	85	0.91
1"	3.15	80	0.98	25	2.58	65.5	4.37	111	105	150	1.51
1 1/4"	3.62	92	1.26	32	2.80	71	4.37	111	190	234	2.33
1 1/2"	4.13	105	1.50	38	3.15	80	5.37	136.5	275	344	3.51
2"	4.84	123	1.97	50	3.52	89.5	5.37	136.5	480	476	5.73
2-1/2"	5.91	150	2.56	65	5.06	128.5	9.57	243	797	875	11.75
3"	6.69	170	2.99	76	5.49	139.5	9.57	243	1210	1330	11.72
4"	8.86	225	3.94	100	6.50	165	10.79	274	2000	c/f	c/f

*Dimensions are for estimating purpose only. Please consult factory for exact dimensions.*

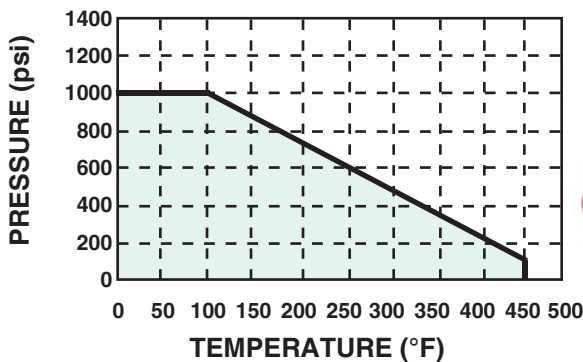
## BILL OF MATERIALS:

Item	Name	T80SS	T80CS	Qty
1	Body	ASTM A351 CF8M	ASTM A216 WCB	1
2	End Cap	ASTM A351 CF8M	ASTM A216 WCB	1
3	Ball	ASTM A276 Type 316	ASTM A276 Type 304	1
4	Seats #	RPTFE	PTFE	2
5	Gasket #	RPTFE	PTFE	1
6	Stem	ASTM A276 Type 316	ASTM A276 Type 304	1
7	Thrust Washer#	RPTFE	PTFE	1
8	Stem Packings #	RPTFE	PTFE	2
9	Gland Nut	SS304	SS304	1
10	Handle	SS304	Zinc Plated Steel	1
11	Locking Device	SS304	Zinc Plated Steel	1
12	Lever Sleeve	PVC	PVC	1
13	Spring Washer	SS304	SS304	1
14	Nut	SS304	SS304	1

# Parts included in repair kits



## PRESSURE AND TEMPERATURE DATA



**PRESSURE RATING: 1000 MAWP/WOG**

**ATTENTION**  
MAWP/WOG is a do not exceed pressure at normal ambient NPT & Weld End Models

## TESTING

All valves are 100% air tested underwater at 100 psi in Open and Close positions.

**T80SS Conforms to:**  
Federal Specification WW-V-35B  
Type II, Class C Style 3

**Pipe Thread** in accordance with ANSI B1.20.1

**Note:** Our T80 Series Valves are not designed to be actuated. please see our T23 Fusion Series Tech Bulletin Page 14.



Flo-Tite, Inc.  
4815 West 5th St.  
Lumberton, NC 28358

P. O. Box 1293  
Lumberton, NC 28359  
Website: www.flotite.com

Tel: (910) 738-8904  
Fax: (910) 738-9112  
E-mail: flotite@flotite.com