

Figure 601 CARBON STEEL BALL VALVES



2 PC FULL PORT 150# FLANGED

Features:

- Full Port
- 150 WSP
- Flanged Connection
- RTFE Seats
- Stainless Steel Trim
- Anti-Static Design
- Blow-out Proof Stem
- Investment Cast Body
- Adjustable Packing
- Locking Device
- Actuator Mounting Pad
- Manufactured Silicone Free
- Sizes 1/2" to 10"

Standards:

- Design: ASME B16.34
- Pressure Test: API 598
- Flange Dimensions: ASME B16.5
- Materials: ASME B16.34
- Mounting Pad: ISO 5211

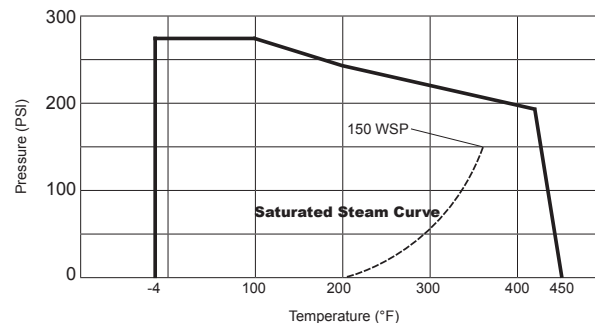


Figure Number Matrix

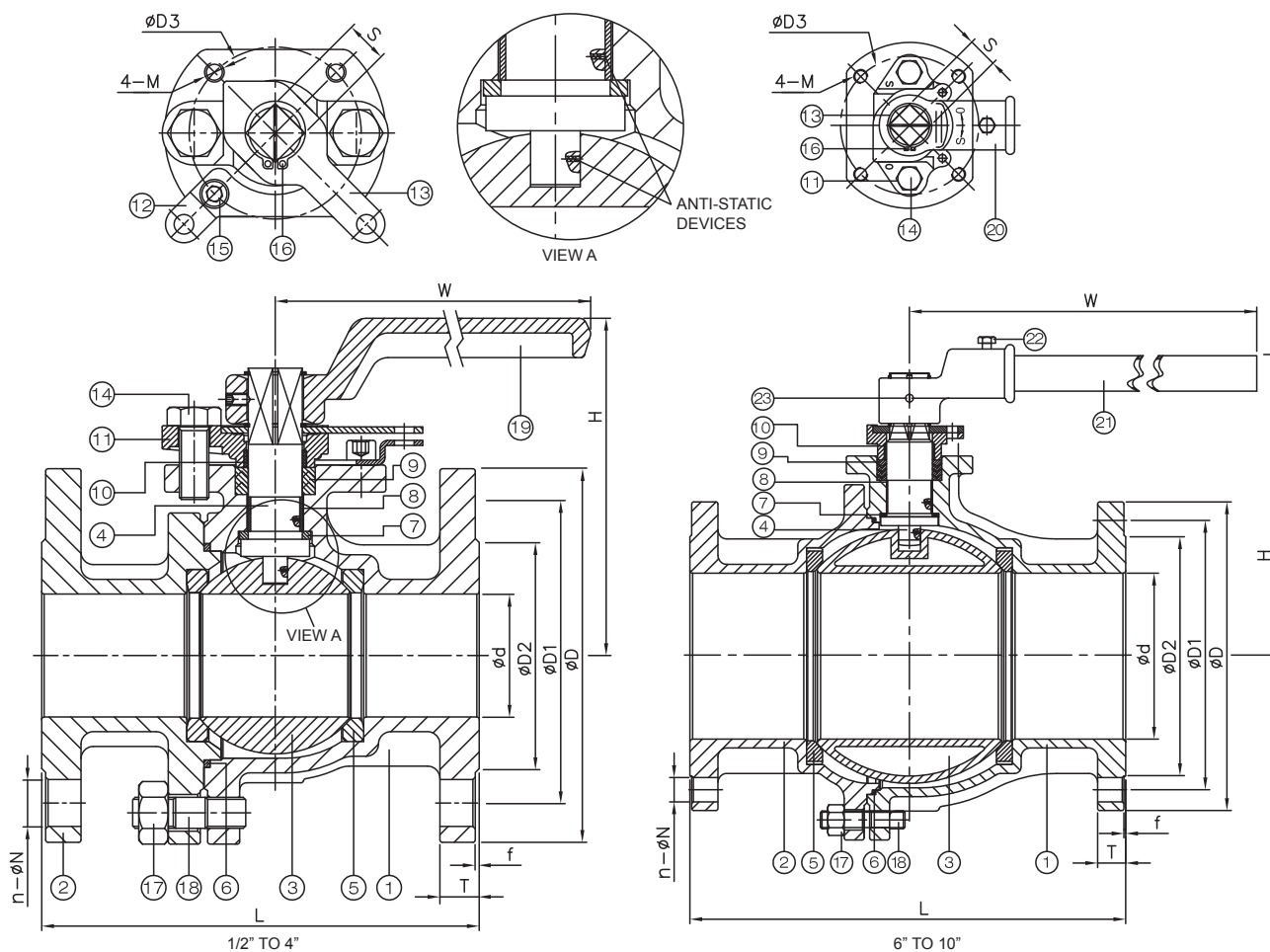
FNW 601 Size	
SIZE CODE	
1/2 = D	3 = M
3/4 = F	4 = P
1 = G	6 = U
1-1/2 = J	8 = X
2 = K	10 = 10
2-1/2 = L	

Cv & Weight

Size	Cv	Wt (lbs)
1/2	15	4.5
3/4	61	4.6
1	110	7.7
1-1/2	270	15
2	500	22
2-1/2	800	32
3	1,310	43
4	2,120	67
6	5,070	137
8	9,250	221
10	15,170	333

Torque

Size	Torque (in-lbs)
1/2	68
3/4	96
1	186
1-1/2	226
2	485
2-1/2	598
3	664
4	1,394
6	3,280
8	6,240
10	9,957



Dimensions (inches)

Size	ØD	ØD1	ØD2	Ød	L	H	W	S	ØD3	M (UNC)	n	ØN	T	f
1/2	3.50	2.38	1.38	0.59	4.25	3.07	5.12	0.43	1.65	1/4"-20	4	0.63	0.44	0.06
3/4	3.88	2.75	1.69	0.79	4.61	3.15	5.12	0.43	1.65	1/4"-20	4	0.63	0.44	0.06
1	4.25	3.12	2.00	0.98	5.00	3.86	6.38	0.55	1.97	1/4"-20	4	0.63	0.44	0.06
1-1/2	5.00	3.88	2.88	1.50	6.5	5.12	7.87	0.67	2.76	5/16"-18	4	0.63	0.56	0.06
2	6.00	4.75	3.62	1.97	7.01	5.39	7.87	0.67	2.76	5/16"-18	4	0.75	0.62	0.06
2-1/2	7.00	5.50	4.12	2.48	7.48	6.38	7.87	0.67	2.76	5/16"-18	4	0.75	0.69	0.06
3	7.50	6.00	5.00	3.15	7.99	7.01	12.80	0.87	4.02	3/8"-16	4	0.75	0.75	0.06
4	9.00	7.50	6.19	3.86	9.02	7.87	12.80	0.87	4.02	3/8"-16	8	0.88	0.94	0.06
6	10.98	9.50	8.50	5.91	15.51	10.30	29.25	1.06	4.92	1/2"-13	8	0.88	1.00	0.06
8	13.50	11.75	10.63	7.87	17.99	11.22	33.07	1.42	5.51	5/8"-11	8	0.88	1.13	0.06
10	15.98	14.25	12.76	9.84	20.98	13.19	40.94	1.81	6.50	3/4"-10	12	1.00	1.19	0.06

Standard Materials

Ref. No.	Description	Material	Qty
1	Body	ASTM A216-WCB Carbon Steel	1
2	End Cap	ASTM A216-WCB Carbon Steel	1
3	Ball	ASTM A351 Gr. CF8M Stainless	1
4	Stem	ASTM A276-316 Stainless	1
5	Seat	RTFE	2
6	Body Seal	PTFE	1
7	Thrust Washer	PTFE	1
8	Stem Bushing	PTFE	1
9	Packing	PTFE	1
10	Bearing	PTFE	1
11	Gland	AISI304 Stainless	1
12	Lock Out Plate	AISI304 Stainless	1

Ref. No.	Description	Material	Qty
13	Stop Plate	AISI304 Stainless	1
14	Packing Bolt	AISI304 Stainless	2
15	Lock Plate Bolt	AISI304 Stainless	2
16	Snap Ring	AISI304 Stainless	2
17	Body Nut	AISI304 Stainless	4-12
18	Body Stud	AISI304 Stainless	4-12
19	Handle	ASTM A216-WCB Carbon Steel	1
20	Handle Head	AISI304 Stainless	1
21	Handle Tube	AISI304 Stainless	1
22	Handle Bolt	AISI304 Stainless	1
23	Set Screw	AISI304 Stainless	1