

For Commercial and Industrial Applications

Job Name _____

Contractor _____

Job Location _____

Approval _____

Engineer _____

Contractor's P.O. No. _____

Approval _____

Representative _____

Series G4000 and G4000M1

2-piece, Full Port, Cast Iron Flanged Ball Valves

Sizes: 2" – 10"***

Series G4000 and G4000M1 2-Piece, Full Port, Cast Iron Flanged Ball Valves feature a stainless steel ball and stem with 200psi (14 bar) CWP and 125psi (9 bar) WSP rating. These valves are ideal to replace old cast iron gate valves. The G4000M1 features reliable quarter-turn ball valve technology and the G4000 features a manual gear operator for positive shut-off.

Features

- 200psi (14 bar) CWP rating and 125psi (9 bar) WSP rating
- Same end-to-end dimensions as conventional flanged iron gate valves (ANSI 16.10)
- Quarter-turn open or close operation, sizes 8" - 10" and Manual gear operation
- Stainless steel ball and stem
- Positive shutoff
- 2-piece body construction
- FDA approved epoxy-coated valve available

Specifications

A 2-piece, full port, cast iron flanged ball valve to be installed as indicated on the plans. Approved valves shall comply with the American Standard for face-to-face dimensions (ANSI 16.10) for Class 125 iron flanged gate valves. The dimensions and drilling of end flanges shall conform to American Cast Iron Flange Standard, Class 125 (ANSI B16.1). Valves shall have stainless steel ball and stem. Plastic coated iron balls are not acceptable. Pressure rating no less than 200psi (14 bar) CWP and 125 (9 bar) WSP. The valve shall be a Watts Series G4000 or G4000M1.

Pressure – Temperature

Maximum Temperature: 353°F (178°C) for G4000M1 and 140°F (60°C) for G4000

Maximum Working Pressure: 200psi (14 bar) CWP; 125psi (9 bar) WSP



G4000M1 (2" - 6")



G4000

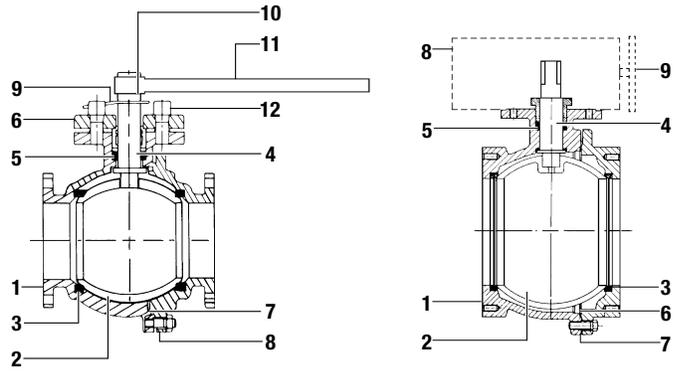
** This product is produced with ASME/ANSI flanged end connections or DN flanged end connections.

NOTICE

The information contained herein is not intended to replace the full product installation and safety information available or the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product.

Materials

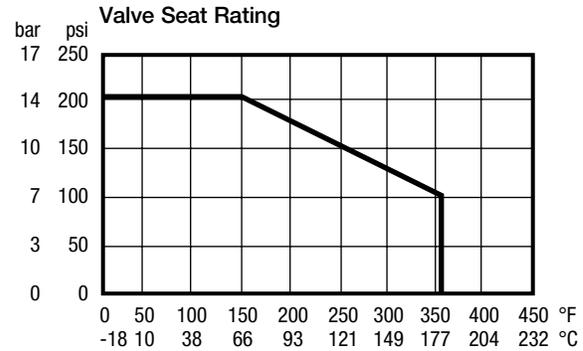
1	Body	Cast Iron, ASTM A126 Class B
2	Ball	304 Stainless Steel, ASTM A351
3	Seat	PTFE
4	Stem	304 Stainless Steel, AISI 304
5	Packing	PTFE
6	Gland	Cast Iron, ASTM A126 Class B
7	Gasket	PTFE
8	Bolt and Nut	Steel, ASTM A6
9	Stop Plate	Steel Plated, ASTM A6
10	Stop Washer	Stainless Steel, AISI 304
11	Handle	Ductile Iron, ASTM A439
12	Hex Socket and Head Bolt	Steel, ASTM A6
13	Gear Operator	Cast Iron
14	Handwheel	Ductile Iron



Capacity

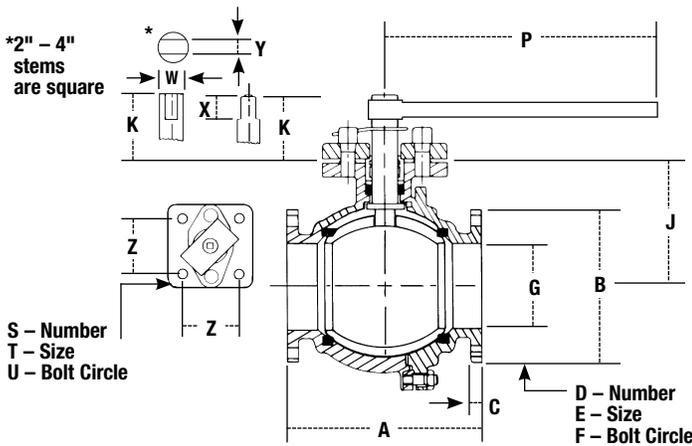
Valve Operating Torque – Ratings

SIZE		CV RATINGS		MAX. OPERATING TORQUE	
in.				in./lbs.	N-m
2		330		450	50.8
2½		420		620	70.0
3		600		750	84.7
4		1200		1420	160.4
6		3300		3190	360.4
8		9000		8860	1001.0
10		12400		10,630	1201.0

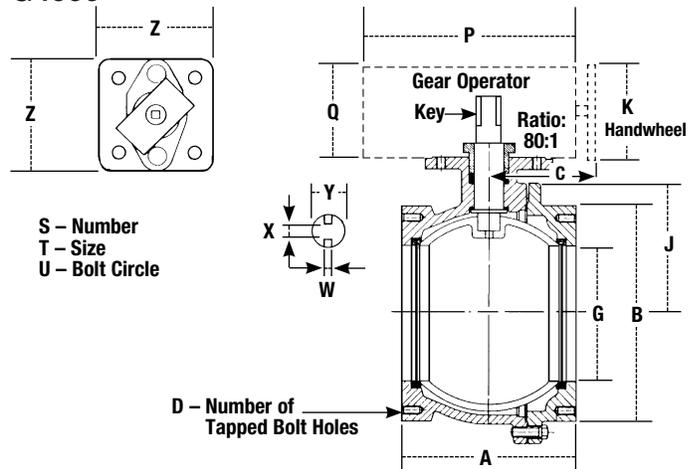


Dimensions – Weights

G4000M1



G4000



	SIZES**	DIMENSIONS																		WEIGHT
		A	B	C	D	E	F	G	J	K	P	Q	S	T	U	W	X	Y	Z	
G4000M1	in. 2	7	6	5/8	4	3/4	4¾	2	3	2	9	-	4	½-13UNC	3¼	5/8	1	5/8	2½/16	22.0 lbs.
	mm	179	152	16	4	19	121	51	76	51	229	-	4	12.7-330	82	16	25	16	58	10.0 kgs
	in. 2½	7½	7	11/16	4	¾	5½	2½	311/16	2	16	-	4	½-13UNC	4½	¾	1	¾	215/16	34.0 lbs.
	mm	191	178	17	4	19	140	64	94	51	406	-	4	12.7-330	105	19	25	19	74	15.4 kgs
	in. 3	8	7½	¾	4	¾	6	3	4	23/16	16	-	4	½-13UNC	4½	¾	1	¾	215/16	38.0 lbs.
	mm	203	191	19	4	19	152	76	102	56	406	-	4	12.7-330	105	19	25	19	74	17.2 kgs
G4000	in. 4	9	9	15/16	8	¾	7½	4	413/16	23/16	1911/16	-	4	½-13UNC	4½	15/16	13/16	15/16	31/8	58.0 lbs.
	mm	229	229	24	8	19	191	102	122	56	500	-	4	12.7-330	105	24	24	24	79	26.3 kgs
	in. 6	10½	11	1	8	7/8	9½	6	73/16	3	26	-	4	¾-11UNC	5½	1½	1½	1½	3¾	118.0 lbs.
	mm	267	279	25	8	22	241	152	183	76	660	-	4	15.8-279	130	28	28	28	92	53.5 kgs
	in. 8	11½	13½	11	8	-	-	8	10¾	20	11¾	7¾	4	¾-10UNC	71/16	1½	¾	1¾	5	600.0 lbs.
	mm	292	343	279	8	-	-	203	260	508	298	200	4	19.0-254	180	18	9	45	127	272.2 kgs
G4000	in. 10	13	16	11	12	-	-	10	1111/16	20	11¾	7¾	4	7/8-9UNC	71/16	1½	¾	1¾	5	1,125.0 lbs.
	mm	330	406	279	12	-	-	254	297	508	298	200	4	22.2-229	180	18	9	45	127	510.3 kgs



USA: T: (978) 689-6066 • F: (978) 975-8350 • Watts.com
 Canada: T: (905) 332-4090 • F: (905) 332-7068 • Watts.com
 Latin America: T: (52) 81-1001-8600 • Watts.com