

## For Commercial, Industrial and Process Applications

Job Name \_\_\_\_\_

Contractor \_\_\_\_\_

Job Location \_\_\_\_\_

Approval \_\_\_\_\_

Engineer \_\_\_\_\_

Contractor's P.O. No. \_\_\_\_\_

Approval \_\_\_\_\_

Representative \_\_\_\_\_

# LEAD FREE\*

## Series G4000-FDA 2-piece, Full Port, Cast Iron FDA Approved Flanged Ball Valves

Sizes: 2" – 8"

Series G4000-FDA 2-Piece, Full Port, Cast Iron, FDA Approved, Flanged Ball Valves have a double coated electrostatically applied heat fused epoxy coating on all interior and exterior surfaces. The valves are FDA approved, suitable for potable water and food contact applications. G4000-FDA valves are ideal for any application requiring a non-corrosive body finish or where a clean cosmetic appearance is desired. The G4000-FDA features Lead Free\* construction to comply with Lead Free\* installation requirements.

### Features

- Fused epoxy coating on all valve surfaces
- Same end-to-end dimensions as conventional flanged iron gate valves
- Quarter-turn open or closed operation
- Stainless steel ball and stem
- Positive shutoff
- 2-piece body construction
- 8" size come standard with manual gear operator

### Specifications

A 2-piece, full port, cast iron FDA approved flanged ball valve to be installed as indicated on the plans. Lead Free\* 2-piece, Full Port, Cast Iron FDA Approved Flanged Ball Valves shall be constructed using Lead Free\* materials. Lead Free valves shall comply with state codes and standards, where applicable, requiring reduced lead content. Approved valves shall comply with the American standard for face-to-face dimensions (ANSI B16.10) for Class 125 cast iron flanged gate valves. The dimensions and drilling of the end flanges conform to the American cast iron flange standard, Class 125 (ANSI B16.1).

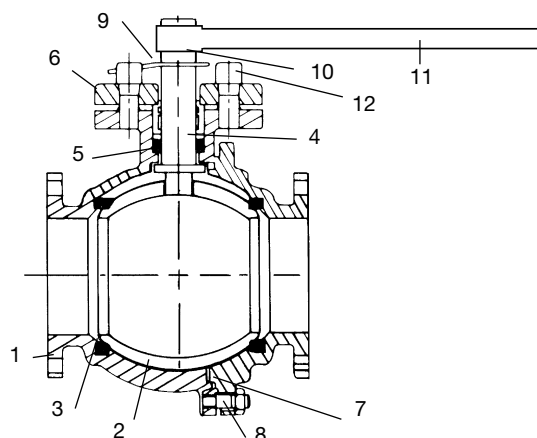
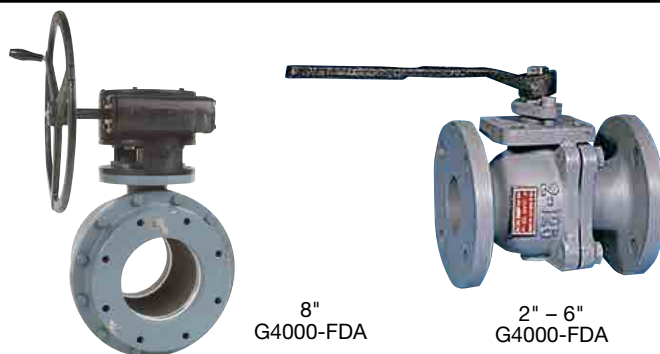
The valve shall be FDA approved for potable water or food contact applications, using stainless steel ball and stem with epoxy coated valve surfaces. The valve shall be a Watts Series G4000-FDA.

### Pressure – Temperature

Maximum Temperature: 140°F (60°C)

Maximum Working Pressure: 200psi (14 bar) CWP non-shock

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.



### Materials

1	<b>Body</b>	†Cast Iron - ASTM A126 Class B
2	<b>Ball</b>	304 Stainless Steel - ASTM A351
3	<b>Seat</b>	PTFE
4	<b>Stem</b>	304 Stainless Steel - AISI 304
5	<b>Packing</b>	PTFE
6	<b>Gland</b>	†Cast Iron - ASTM A126 Class B
7	<b>Gasket</b>	PTFE
8	<b>Bolt and Nut</b>	Steel - ASTM A6
9	<b>Stop Plate</b>	Steel Plated - ASTM A6
10	<b>Stop Washer</b>	Stainless Steel - AISI 304
11	<b>Handle</b>	Ductile Iron - ASTM A439
12	<b>Hex Socket and Head Bolt</b>	Steel ASTM A6

†Valve Surfaces - FDA approved epoxy coating

### 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.

### NOTICE

Inquire with governing authorities for local installation requirements

Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.

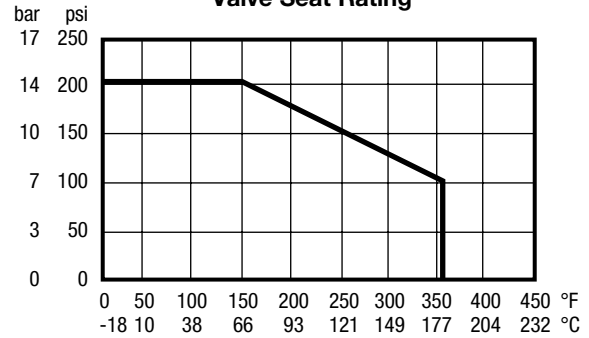
# Capacity

## Valve Operating Torque – Ratings

SIZE	CV RATINGS	MAX. OPERATING TORQUE	
<i>in.</i>		<i>in./lbs.</i>	<i>N-m</i>
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

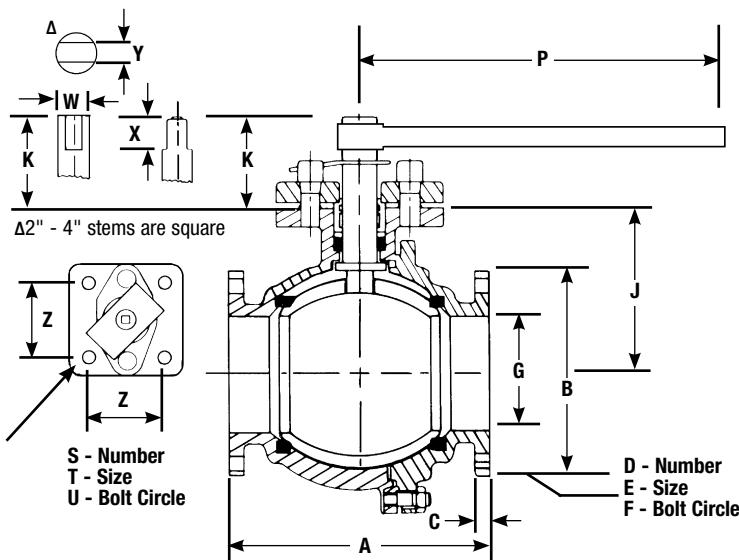
††Standardly furnished with gear operator.

## Valve Seat Rating

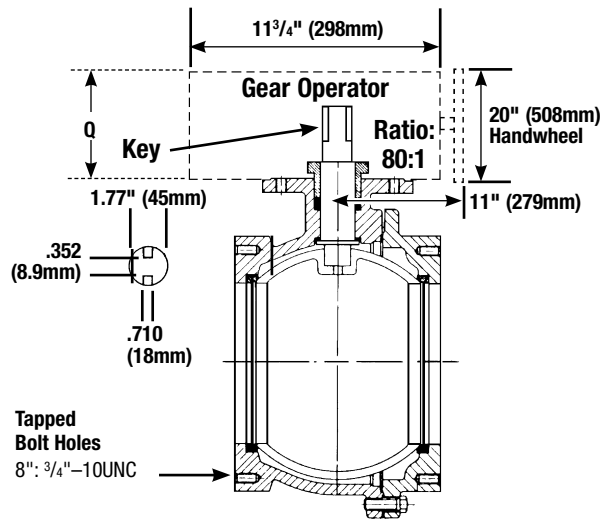


# Dimensions – Weights

## Size: 2" – 6"



## Size: 8"



SIZES		DIMENSIONS																	WEIGHT		
<i>in.</i>	<i>mm</i>	A	B	C	D	E	F	G	J	K	P	Q	S	T	U	W	X	Y	Z		
2	7	6	5/8	4	3/4	4 3/4	2	3	2	9	—	4	1/2"-13UNC	3/4	5/8	1	5/8	2 5/16	22 lbs.		
	178	152	16	4	19	121	50	80	50	229	—	4	12.7-330	82	16	25	16	58	9.9 kgs		
2½	7 1/2	7	11/16	4	3/4	5 1/2	2 1/2	3 11/16	2	16	—	4	1/2"-13UNC	4 1/8	3/4	1	3/4	2 15/16	34 lbs.		
	191	178	17	4	19	140	65	94	50	406	—	4	12.7-330	105	19	25	19	58	15.4 kgs		
3	8	7 1/2	3/4	4	3/4	6	3	4	2 3/16	16	—	4	1/2"-13UNC	4 1/8	3/4	1	3/4	2 15/16	38 lbs.		
	203	191	19	4	19	152	80	100	56	406	—	4	12.7-330	105	19	25	19	58	17.2 kgs		
4	9	9	15/16	8	3/4	7 1/2	4	4 7/8	2 3/16	19 11/16	—	4	1/2"-13UNC	4 1/8	15/16	1 5/16	1 9/16	3 1/8	58 lbs.		
	229	229	24	8	19	191	100	122	56	500	—	4	12.7-330	105	24	24	24	79	26.3 kgs		
6	10 1/2	11	1	8	7/8	9 1/2	6	7 3/16	3	26	—	4	5/8"-11UNC	5 1/8	1 1/8	1 1/8	1 1/8	3 5/8	118 lbs.		
	267	279	25	8	22	241	150	183	76	660	—	4	15.8-279	130	28	28	28	92	53.5 kgs		
††8	11 1/2	13 1/2	—	8	—	—	8	10 3/4	—	—	7 1/8	4	3/4"-10UNC	7 1/16	—	—	—	5	600 lbs.		
	292	433	—	8	—	—	200	260	—	—	200	4	19.0-254	180	—	—	—	127	272.1 kgs		

††Standardly furnished with gear operator.

