

## For Residential, Commercial, and Industrial Applications

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

Contractor \_\_\_\_\_

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

Approval \_\_\_\_\_

Engineer \_\_\_\_\_

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

Approval \_\_\_\_\_

Representative \_\_\_\_\_

# Series B-6000-04-SS

## Standard Port

### 250psi (17 bar) Rating Saturated Steam

Sizes: 1/4" – 3" (8-80mm)

#### Features

- Watts Steam Ball Valves compared to gate valves incur less stem packing wear because of minimal quarter turn movement. Gate valve operation requires multiple turns and a rising stem; resulting in accelerated stem seal wear and external steam leaks.
- Watts Steam Ball Valves compared to gate valves offer resilient seats that "Hold Tight" and are more abrasion resistant to foreign material in the system. They offer consistent, repeatable operating torque.
- Mineral filled PTFE seats
- 316 Stainless Steel ball and stem
- Minimal pressure drop due to large ports
- Blow-out proof, pressure retaining stem
- High cycle life reinforced PTFE stem packing and thrust washer
- Vinyl insulator on heavy duty zinc-plated carbon steel handles
- Fast quarter turn open or close operation
- Low operating torque
- Adjustable stem packing gland requiring minimal maintenance
- Each valve individually tested, air under water, in the opened and closed position
- Pressure rated at 250 psi (17 bar) WSP @ 405°F (207°C), 600 psi (41 bar) WOG non-shock 1/2" to 2" (13-50mm); and 125 psi (8.6 bar) WSP @ 353°F (178°C), 400 psi (28 bar) WOG non-shock 2 1/2" to 3" (65-80mm). See WOG Pressure-Temperature Ratings curves for specific WOG pressure-temperature ratings.

#### Specifications

Valves shall be 2-piece constructed, ASTM B-584 bronze body, 316SS stem and ball, blow-out proof stem, mineral filled PTFE seats, reinforced PTFE stem packing and stem thrust bearing. Valves shall be pressure rated to 250 psi (17 bar) WSP @ 405°F (207°C), 600 psi (41 bar) WOG 1/2"-2" (13-50mm); 125 psi (8.6 bar) WSP @ 353°F (178°C), 400 psi (28 bar) WOG 2 1/2"-3" (64-76mm). Valves shall have threaded NPT end connections, lever operated, and be manufactured to MSS-SP-110 Standard. Watts B-6000-04-SS.



**Model B-6000-04-SS**  
Threaded Ends



**Model B-6000-04-SS-LH**  
(with locking lever handle)

#### BAA/ARRA Compliant\*\*

\*\*This product complies with the Buy American Act and The American Recovery and Reinvestment Act. For more information, visit [watts.com](http://watts.com).

#### Options

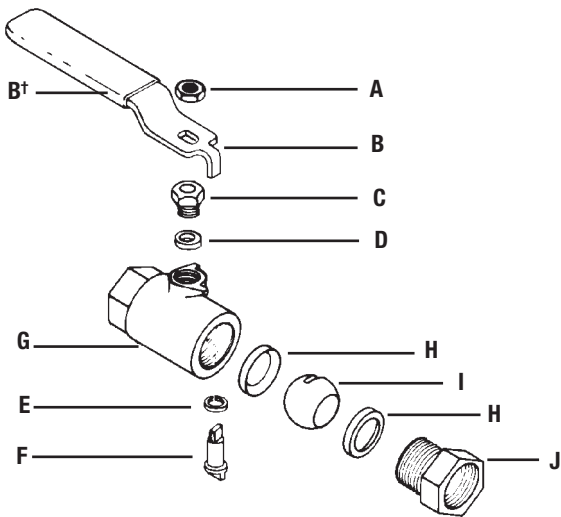
Suffix

- LH - Locking lever handle
- OV - Oval handle
- OVLH - Oval locking handle
- RH - Round handles
- SH - Stainless steel handle and nut
- XH - Extended handle
- TH - Tee handles 1/4" - 2" (8-50mm)
- CL - Chain lever kit 3/4" - 1" (20-25mm)

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.

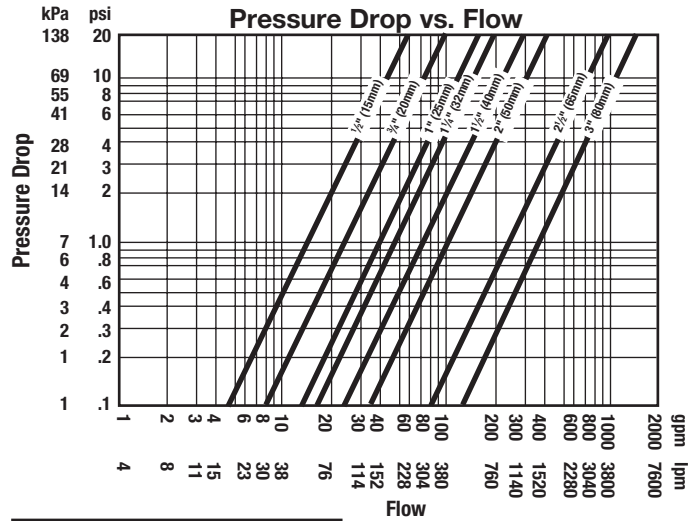
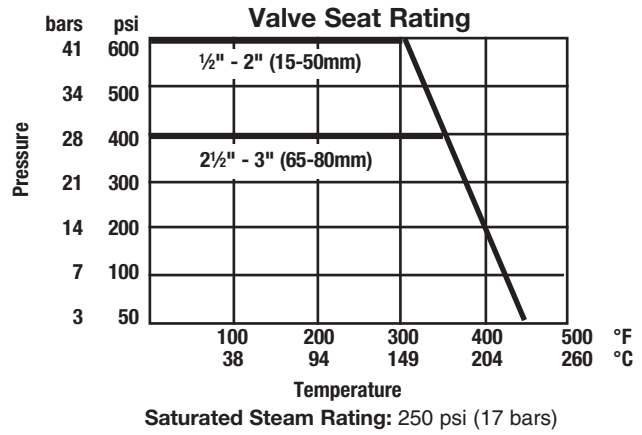
**WATTS®**

## Materials



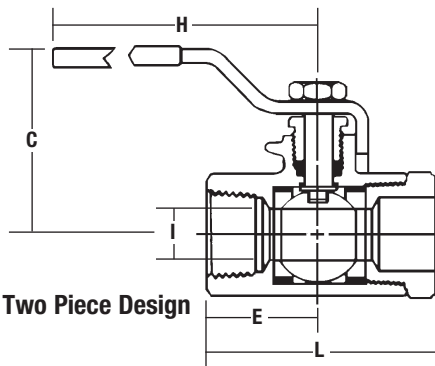
- A. Handle Nut - Cold rolled steel (zinc-plated)
- B. Handle - Cold rolled steel (zinc-plated)
- B† Handle Insulator - Vinyl (molded to handle)
- C. Packing Nut - Free cutting brass rod ASTM B16 UNS No. C36000
- D. Stem Packing - Glass reinforced PTFE
- E. Thrust Washer - Glass reinforced PTFE
- F. Stem - AISI Type 316SS
- G. Body - Cast bronze ASTM B584 UNS No. C84400
- H. Seat - Mineral filled PTFE
- I. Ball - AISI Type 316SS
- J. Adapter - FC brass ASTM B16 UNS No. C36000, or forging brass ASTM B124, UNS No. C37700.
- K. Body Seal - PTFE (not shown)

## WOG Pressure - Temperature Ratings



Size (Dn)		Cv Rating	Operating Torque	
in.	mm		in./lbs.	Nm
1/4	8	6	60	6.8
3/8	10	6	60	6.8
1/2	15	15	60	6.8
3/4	20	25	90	10.2
1	25	40	150	16.9
1 1/4	32	50	175	19.8
1 1/2	40	75	200	22.6
2	50	110	250	28.2
2 1/2	65	260	500	56.5
3	80	400	600	67.8

## Dimensions — Weights



Size (Dn)		C Center to Handle		E Center to End		H Radius of Handle		I Ball Orifice		L End to End		Weight	
in.	mm	in.	mm	in.	mm	in.	mm.	in.	mm	in.	mm	lbs.	kg.
1/4	8	1 3/4	45	1 1/16	27	3 1/16	78	3/8	10	2 1/16	52	.6	.3
3/8	10	1 3/4	45	1 1/16	27	3 1/16	78	3/8	10	2 1/16	52	.6	.3
1/2	15	1 3/4	45	1 1/16	27	3 3/4	95	1/2	13	2 1/4	58	.6	.3
3/4	20	2	51	1 7/16	36	3 3/4	95	1 1/16	17	2 3/16	72	1.0	.5
1	25	2 1/4	57	1 11/16	43	4 1/2	114	7/8	22	3 1/16	87	1.6	.7
1 1/4	32	2 1/2	64	1 5/8	49	3 13/16	97	1	25	3 3/8	99	2.2	1.0
1 1/2	40	3	76	2 1/8	54	5 1/2	140	1 1/4	32	4 1/4	108	3.2	1.5
2	50	3 5/16	84	2 7/16	62	5 1/2	140	1 1/2	38	4 13/16	122	4.9	2.2
2 1/2	65	4	102	3 3/16	81	8 1/8	206	2	51	6 1/2	165	13.2	5.9
3	80	4 1/4	108	3 7/16	87	8 3/8	206	2 1/2	64	6 13/16	173	17.5	7.9



A Watts Water Technologies Company



ISO 9001-2008 CERTIFIED

USA: No. Andover, MA • Tel. (978) 688-1811 • Fax: (978) 794-1848 • www.watts.com  
 Canada: Burlington, ONT. • Tel. (905) 332-4090 • Fax: (905) 332-7068 • www.wattscanada.ca