

For Fire Protection Applications

Job Name _____

Contractor _____

Job Location _____

Approval _____

Engineer _____

Contractor's P.O. No. _____

Approval _____

Representative _____

Series 408-OSYRW

Outside Stem and Yoke, Resilient Wedge, Flanged Gate Valves

Sizes 2 1/2" – 12" (65 – 300mm) – Epoxy Coated

Series 408-OSYRW Outside Stem and Yoke Resilient Wedge Flanged Gate Valves are available in sizes 2 1/2"-12" (65 - 300mm). The valve body is fusion bonded powder coated cast iron and is operated by a handwheel. The resilient wedge disc design offers positive seating and resistance against high differential pressure. Series 408-OSYRW is best suited for service in either the fully open or closed position. It is also suitable for use as a throttling valve. This series is recommended for fire main shutoff and distribution service.

Features

- ASTM A126 Class B Cast Iron
- Full port flow, low head loss
- Fusion bonded coating, internal and external
- Encapsulated resilient wedge
- Easy in-line service
- Replaceable disc
- Boss tapped and plugged
- MSS-SP-70 conformance

Specifications

Valve shall be manufactured out of ASTM A126 Class B cast iron and comply with MSS-SP-70. Valve shall be pressure rated to 250psi (17 bar) CWP non-shock and have flanged ends. Valve shall have an outside stem and yoke, full port flow, replaceable disc and fusion bonded coating. Valve shall be a Watts Series 408-OSYRW.



Approvals

Listed



AWWA C509

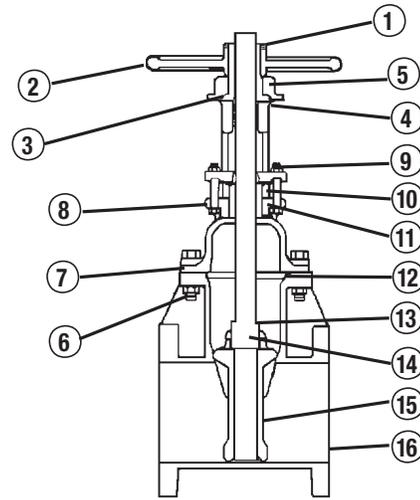
Standards

Face-to-face dimensions of the valves comply with the American Standard for face-to-face dimensions (ANSI B16.10) for Class 125 cast iron flanged valves.

End Flanges: The dimensions and drilling of end flanges conform to the American cast iron flange standard, Class 125 (ANSI B16.1). The flanges are flat faced and smooth finished.

Parts - Materials

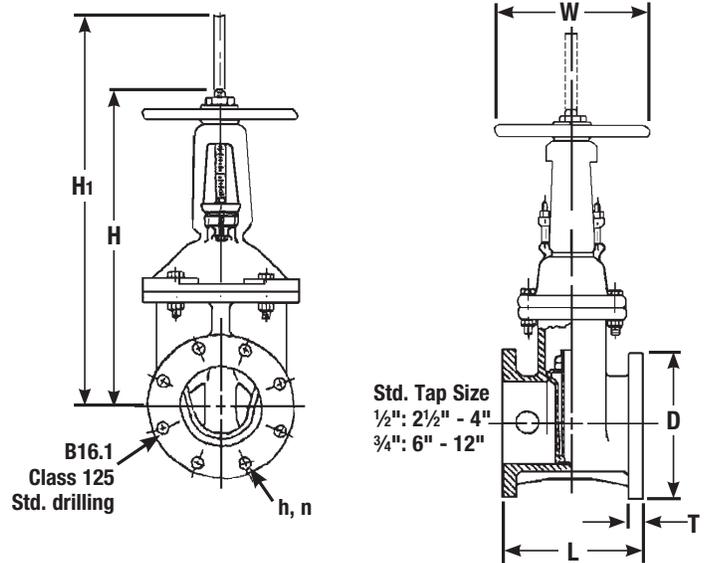
No.	Parts	Material	ASTM Designation
1	Handwheel Nut	Bronze (AWWA Grade A)	B584 CDA 8454
2	Handwheel	Cast Iron	A126 Class B
3	Upper Thrust Washer	Brass	B36 CDA 26D
4	Lower Thrust Washer	Nylatron	
5	Yoke Nut	Manganese Bronze	B584 CDA 862
6	Hex. Head Cover, Bolt & Nuts	Zinc Plated Steel	A307/A563
7	Bonnet	Cast Iron	A126 Class B
8	Packing Bolts	Zinc Plated Steel	A307
9	Packing Bolt Nuts	Brass	A563
10	Packing Gland	Cast Iron	A126 Class B
11	Packing	Graphite Impregnated Square Rope	
12	O-ring	Buna-N	
13	O-ring (Stem)	Buna-N	
14	Stem Assembly	Bronze	B584/B21
15	Wedge Disc	CI SBR Coated	A126 Class B
16	Body	Cast Iron	A126 Class B



Pressure - Temperature

250psi CWP, non-shock

Maximum Temperature: 140°F (60°C)



Dimensions - Weights

SIZE (DN)		FLANGE DIMENSIONS							WEIGHT									
		BOLT HOLES																
in	mm	L		D		h	n	T		W		H		H1		lbs.	kgs.	
		in	mm	in	mm	in	mm	# of Holes	in	mm	in	mm	in	mm	in	mm		
2½	65	7½	191	7	178	5/8	16	4	1½/16	18	7¼	184	13⅞	352	16⅝	416	55	25
3	75	8	200	7½	191	5/8	16	4	¾	19	10	254	15⅝	397	18⅞	479	70	32
4	100	9	229	9	229	5/8	16	8	15/16	24	10	254	18¼	464	22¾	578	100	46
6	150	10½	267	11	279	¾	19	8	1	25	12	305	23¾	603	30⅝	765	150	82
8	200	11½	292	13½	343	¾	19	8	1⅝	29	14	356	29¼	743	37¾	959	250	114
10	250	13	330	16	406	7/8	22	12	1¾/16	30	18	457	35⅝	899	45¾	1162	400	182
12	300	14	356	19	483	7/8	22	12	1¼	32	18	457	40⅝	1032	53⅞	1349	580	263

WATTS®

A Watts Water Technologies Company



**ISO 9001-2000
CERTIFIED**

USA: 815 Chestnut St., No. Andover, MA 01845-6098; www.watts.com

Canada: 5435 North Service Rd., Burlington, ONT. L7L 5H7; www.wattscanada.ca