

For Commercial and Irrigation Applications

Job Name _____
 Job Location _____
 Engineer _____
 Approval _____

Contractor _____
 Contractor's P.O. No. _____
 Approval _____
 Representative _____

Series 405NRSRW

Non-Rising Stem, Resilient Wedge, Flanged Gate Valves

Sizes 2" – 12" (50 – 300mm) – Epoxy Coated

Series 405NRSRW Non-Rising Stem Resilient Wedge Flanged Gate Valves are available in sizes 2" – 12" (50 - 300mm). The valve body is epoxy coated cast iron and is operated by a handwheel or an operating nut and valve key. The resilient wedge disc design offers both positive seating and resistance against high differential pressure. Series 405NRSRW 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 irrigation, potable water, water distribution service and feed lines, and sewage disposal facilities.



Features

- ASTM A126 Class B Iron
- Full port flow, low head loss
- Epoxy coated, internal and external
- Vulcanized encapsulated resilient wedge
- Easy in-line service
- Boss-tapped and plugged
- MSS-SP-70 conformance

Specifications

Valve shall be manufactured out of ASTM A126 Class B iron and comply with MSS-SP-70. Valve shall be pressure rated to 200psi (14 bars) CWP and have flanged ends. Valve shall have a non-rising stem, full port flow and epoxy coating. Valve shall be a Watts Regulator Company Series 405NRSRW.

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.

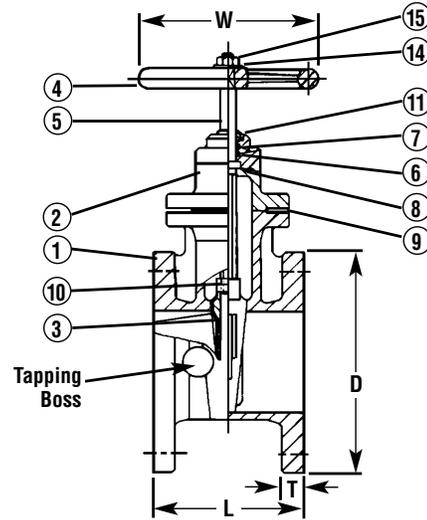
End Flanges: The dimensions and drilling of end flanges conform to the American cast iron flange standard, Class 125 (ANSI B16.1). The flanges are flat faced and smooth finished.



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.

Parts - Materials

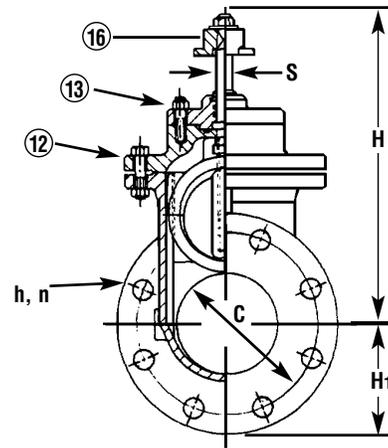
No.	Parts	Material	ASTM Designation
1	Body	Cast Iron	A126 Class B
2	Bonnet	Cast Iron	A126 Class B
3	Disc	Cast Iron & Rubber (Buna-N)	A126 Class B
4	Hand Wheel	Cast Iron	A126 Class B
5	Stem	Stainless Steel	A276 Type 304
6	Stuffing Box	Cast Iron	A126 Class B
7	O-ring A	Rubber	D2000AA6014
8	O-ring B	Rubber	D2000AA6014
9	Bonnet Gasket	Rubber	D2000AA6014
10	Stem Nut	Bronze	B62
11	Wiper Ring	Rubber	D2000AA6014
12	Bonnet Bolt & Nut	Steel	A307 Grade B
13	Stud & Nut	Steel	A307 Grade B
14	Hand Wheel Washer	Steel	A307 Grade B
15	Top Nut	Steel	A307 Grade B
16	Operating Nut	Cast Iron	A126 Class B



Pressure - Temperature

200psi (14 bars) CWP

Maximum Temperature 140°F (60°C)



Dimensions - Weights

Size	L	Flange Dimensions								W	H (NRS)	H1	S	Weight								
		D		C		Bolt Holes		T														
		in.	mm	in.	mm	h	n		in.						mm							
2	50	7	178	6	152	4¾	121	¾	19	4	5/8	16	7 15/16	230	3	76	5/8	16	22	10		
2½	65	7½	191	7	178	5½	140	¾	19	4	1 1/16	18	7 1/16	179	9 1/16	259	3½	89	5/8	16	29	13
3	75	8	200	7½	191	6	152	¾	19	4	¾	19	7 7/8	200	10 ¼	289	3¾	95	1 1/16	18	40	18
4	100	9	229	9	229	7½	191	¾	19	8	1 5/16	24	8 13/16	224	12 ½	352	4½	114	1 3/16	21	62	28
6	150	10½	267	11	279	9½	241	7/8	22	8	1	25	11	279	16 13/16	470	5½	140	1 5/16	24	111	50
8	200	11½	292	13½	343	11¾	298	7/8	22	8	1 1/8	29	11	279	20 7/8	575	6¾	171	1	25	194	88
10	250	13	330	16	406	14¼	362	1	25	12	1 3/16	30	12 7/16	316	23 7/8	657	8	203	1¼	32	272	123
12	300	14	356	19	483	17	432	1	25	12	1¼	32	14	356	28 3/16	773	9½	241	1¼	32	383	174



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