

## For Commercial Applications

Job Name \_\_\_\_\_  
 Job Location \_\_\_\_\_  
 Engineer \_\_\_\_\_  
 Approval \_\_\_\_\_

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

# Series 406NRSRW

## Non-Rising Stem, Resilient Wedge, Flanged Gate Valves

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

Series 406NRSRW Non-Rising Stem, Resilient Wedge, Flanged Gate Valves are available in sizes 2" – 12" (50 – 300mm). The valve 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 406NRSRW is best suited for service in either the fully open or closed position. It is also recommended for use as a throttling valve. This series recommended for potable water, water distribution service and feed lines, and sewage disposal facilities.

### Features

- ASTM A126 Class B Iron
- AWWA C509 specifications
- Full port flow, low head loss
- Epoxy coated, internal and external
- Vulcanized 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 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, replaceable disc and epoxy coating. Valve shall be a Watts Regulator Company Series 406NRSRW.



### Standards

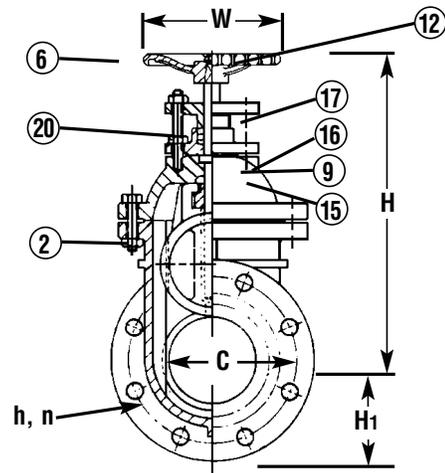
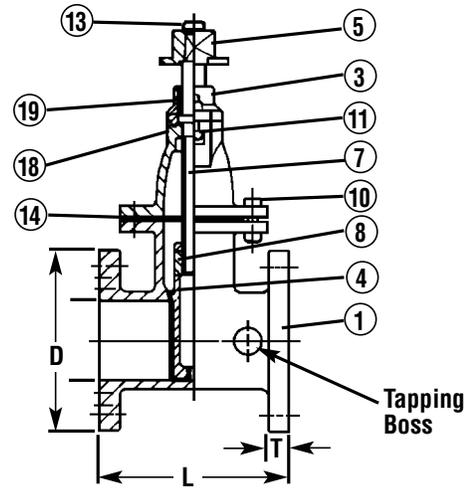
**Face-to-face** dimensions of the valves comply with the American Standard for face-to-face dimensions (ANSI B16.10) for Class 125 cast iron flanged valves.

**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	Body	Cast Iron	A126 Class B
2	Bonnet	Cast Iron	A126 Class B
3	Stuffing Box	Cast Iron	A126 Class B
4	Disc	Cast Iron & Rubber (Buna-N)	A126 Class B
5	Operating Nut	Cast Iron	A126 Class B
6	Hand Wheel	Cast Iron	A126 Class B
7	Stem	Stainless Steel	A276 Type 304
8	Stem Nut	Stainless Steel	A276 Type 304
9	Thrust Washer	Brass	B36
10	Bonnet Bolt & Nut	Zinc Coated Steel	A307 Grade B
11	Stuffing Box Bolt	Zinc Coated Steel	A307 Grade B
12	Hand Wheel Washer	Zinc Coated Steel	A307 Grade B
13	Top Nut	Zinc Coated Steel	A307 Grade B
14	Bonnet Gasket	Rubber	D2000AA6014
15	O-ring A	Rubber	D2000AA6014
16	O-ring B	Rubber	D2000AA6014
17	Wiper Ring	Rubber	D2000AA6014
18	Gland	Bronze	B62
19	O-ring C	Rubber	D2000AA6014
20	Stuffing Box Nut	Brass	B36



## Pressure - Temperature

200psi (14 bars) CWP

Maximum Temperature 140°F (60°C)

## Dimensions - Weights

Size	Flange Dimensions										Weight lbs. kg.		
	L		D		C		Bolt Holes			W		H	H1
							h	n	T				
in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	# of holes	in. mm	in. mm	in. mm	in. mm	in. mm		
2 50	7 178	6 152	4 <sup>3</sup> / <sub>4</sub> 121	<sup>3</sup> / <sub>4</sub> 19	4	<sup>5</sup> / <sub>8</sub> 16	7 <sup>1</sup> / <sub>16</sub> 179	8 <sup>1</sup> / <sub>2</sub> 216	3 76	25 11			
2½ 65	7½ 191	7 178	5½ 140	<sup>3</sup> / <sub>4</sub> 19	4	1 <sup>1</sup> / <sub>16</sub> 18	7 <sup>1</sup> / <sub>16</sub> 179	9 <sup>3</sup> / <sub>8</sub> 238	3½ 89	30 14			
3 75	8 200	7½ 191	6 152	<sup>3</sup> / <sub>4</sub> 19	4	<sup>3</sup> / <sub>4</sub> 19	7 <sup>7</sup> / <sub>8</sub> 200	10¼ 260	3¾ 95	42 15			
4 100	9 229	9 229	7½ 191	<sup>3</sup> / <sub>4</sub> 19	8	1 <sup>5</sup> / <sub>16</sub> 24	8 <sup>13</sup> / <sub>16</sub> 224	12 <sup>3</sup> / <sub>16</sub> 310	4½ 114	64 29			
6 150	10½ 267	11 279	9½ 241	<sup>7</sup> / <sub>8</sub> 22	8	1 25	11 279	16 406	5½ 140	108 49			
8 200	11½ 292	13½ 343	11¾ 298	<sup>7</sup> / <sub>8</sub> 22	8	1 <sup>1</sup> / <sub>8</sub> 29	11 279	19 <sup>15</sup> / <sub>16</sub> 506	6¾ 171	191 87			
10 250	13 330	16 406	14¼ 362	1 25	12	1 <sup>3</sup> / <sub>16</sub> 30	12 <sup>7</sup> / <sub>16</sub> 316	23 <sup>13</sup> / <sub>16</sub> 605	8 203	286 130			
12 300	14 356	19 483	17 432	1 25	12	1¼ 32	14 356	26¾ 679	9½ 241	392 178			



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