

SCI RESILIENT WEDGE GATE VALVE, OS & Y, RISING STEM, FLANGED FOR FIRE MAIN



Fig.172

DESCRIPTIONS

The SCI resilient wedge gate valve Model 105U is recommended for fire main and distribution service with available in 2 1/2"-12" sizes.

Model 105 U gate valve is designed to offer resistance against high differential pressure and back pressure or back flow, also suitable for use as a tight shut-off and throttling service.

QUALITY CERIFIED BY :



LISTED NO.30S8



APPROVED NO. 1210

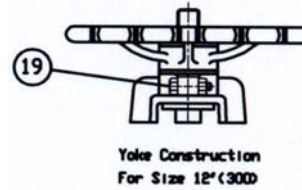


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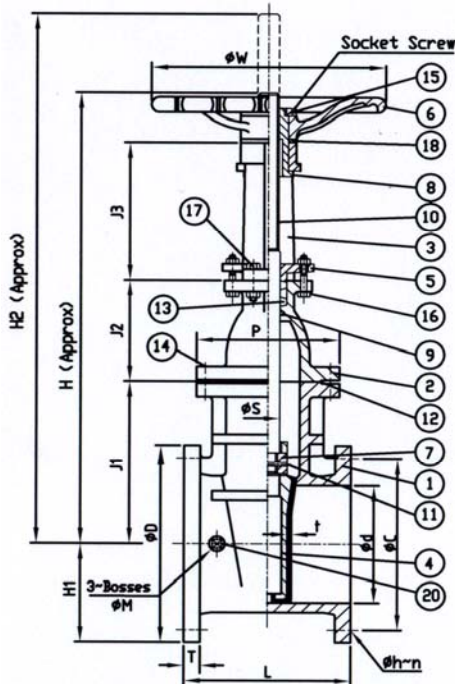
FEATURES

- Class 175
- Rising stem
- Replaceable wedge
- Bubble tight shut-off
- Full port flow-low head loss
- Epoxy coated intern & external
- Vacanized encapsulated resilient wedge
- One boss plus boss with tap and plug

DESIGN SPECIFICATIONS



NO.	PARTS	MATERIALS	ASTM. DESIGNATION
1	Body	Cast Iron	A 126 Class B
2	Bonnet	Cast Iron	A 126 Class B
3	Yoke	Cast Iron	A 126 Class B
4	Disc	Cast Iron & Rubber (Buna-N)	A 126 Class B
5	Gland	Cast Iron	A 126 Class B
6	Hand Wheel	Cast Iron	A 126 Class B
7	Stem Nut	Bronze	B 62
8	Yoke Sleeve	Bronze	B 62
9	O-Ring D	Rubber (Buna-N)	D 2000 AA 6014
10	Stem	Bronze	B 21
11	Roll Pin	Stainless Steel	A 276 Type 304
12	Bonnet Gasket	Rubber (NR)	D 2000 AA 6014
13	Packing	Carbonized Filter	D 4102
14	Bonnet Bolt & Nut	Steel	A 307 Grade B
15	Hand Wheel Nut	Galvanized Steel	A 307 Grade B
16	Gland Bolt & Nut	Steel	A 307 Grade B
17	Yoke Bonnet Bolt-Nut	Steel	A 307 Grade B
18	Hand Wheel Washer	Bronze	B 62
19	Yoke Bolt & Nut	Steel	A 307 Grade B
20	Plug	Malleable Iron	A 47



Remark : Part No. 4

Disc (Cast Iron ASTM A126 Class B) encapsulated with Buna-N rubber (ASTM D 2000 AA 6014)

SIZE in d ^o mm	L	Flanged ANSI B 16.1CL.125					H	H ₁	H ₂	W ^o	S ^o	M ^o	t	J ₁	J ₂	J ₃	O	NO. of Turns	CV Factor	Approx.Weight		
		D ^o	C ^o	h ^o	n	T														Kgs	lbs.	
2 1/2"	65	190	178	140	19	4	17.5	336	89	403	180	25.4	1/2" PT.	3	120	62	100	143	13	500	22.5	49.6
3	80	203	191	152	19	4	19	394	95.5	467	180	25.4	1/2" PT.	3	130	94	104	152	16	740	29	64
4	100	229	229	191	19	8	23.8	485	114.5	579	250	28.6	1/2" PT.	4	147	135	134	163	22	1310	43.2	95.2
6	150	267	279	241	22.2	8	25.4	633	139.5	747	300	31.75	3/4" PT.	4	212	166	190	196	30	2950	73.5	162
8	200	292	343	299	22.2	8	28.6	776	171.5	992	345	34.9	3/4" PT.	4	282	179	238	227	33	5250	127	280
10	250	330	406	362	25.4	12	30.2	968	203	1222	407	44	1" PT.	4	323	250	300	242	41	8220	207	456.2
12	300	356	483	432	25.4	12	31.8	1111	241.5	1410	450	44	1" PT.	6	383	262	370	284	49	11820	335	737



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