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

DESCRIPTIONS

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

Model 105U 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 service.

Sizes

2 1/2" - 12"

Fig. 172 MODEL 105U

QUALITY CERTIFIED BY :

LISTED NO.EX3954

APPROVED NO.3024398

LISTED NO.EX3954

FEATURES

- Rising stem
- Replaceable wedge
- Bubble tight shut-off
- Full port flow-low head loss
- Epoxy coated internal & external
- Vacanized encapsulated resilient wedge
- Three bosses are provided, one boss with tapped and plug

SCI CORPORATION Co.,Ltd.
Factory: 1/12 Moo 2, Samutsakorn Industrial Estate, Soi 7,
Rama 2 Road, Tahsai, Muang, Samutsakorn 74000, Thailand
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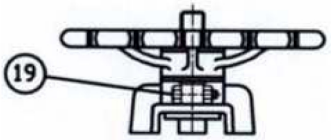
DQS Inc.
SCI CORPORATION CO., LTD.
REGISTRED TO ISO 9001:2015 AND 14001:2015
438881

DIMENSIONS AND MATERIALS



Yoke Construction
For Size 12"(300)

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 & D 2000 BK 707
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	Rubber (Buna N)	D 2000 BK 707
10	Stem	Bronze	B 21
		Stainless Steel	A 276 Type 304
11	Roll Pin	Stainless Steel	A 276 Type 304
12	Bonnet Gasket	Rubber (Buna N)	D 2000 BK 707
13	Packing	PTFE Impregnated Braided	-
14	Bonnet Bolt & Nut	Galvanized Steel	A 307 Grade B
15	Hand Wheel Nut	Galvanized Steel	A 307 Grade B
16	Gland Bolt & Nut	Galvanized Steel	A 307 Grade B
17	Yoke Bonnet Bolt & Nut	Galvanized Steel	A 307 Grade B
18	Hand Wheel Washer	Brass	B 21
19	Yoke Bolt & Nut	Galvanized Steel	A 307 Grade B
20	Plug	Malleable Iron	A 47

Remark : Part NO. 4
Disc (Cast Iron ASTM. A126 Class B) encapsulated with
Rubber (Buna N ASTM. D 2000 BK 707)

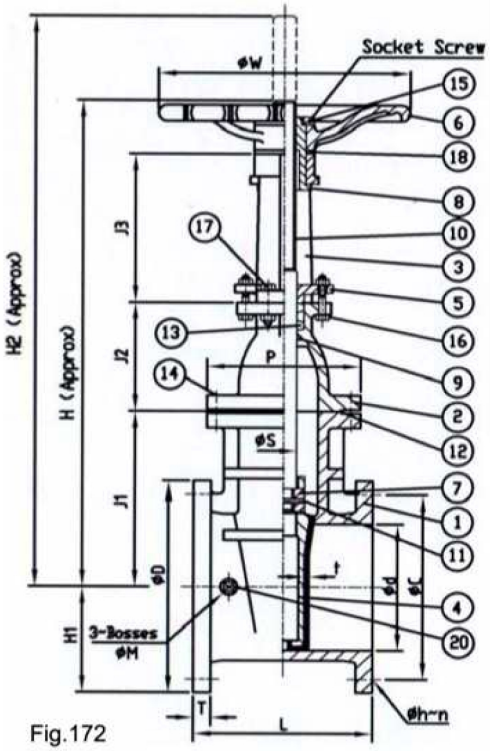


Fig.172

SIZE Ø		L	Flanged ANSI B 16.1CL.125					H	H_1	H_2	ØW	ØS	ØM	t	J_1	J_2	J_3	P	NO.	CV	Approx.Weight	
in	mm		ØD	ØC	Øh	n	T												of Turns	Factor	Kgs	lbs.
2 ½"	65	190	178	140	19	4	17. 5	336	89	403	180	25.4	½" PT.	3	120	62	100	143	13	500	22.5	49.6
3	80	203	191	152	19	4	19	394	96	467	180	25.4	½" PT.	3	130	94	104	152	16	740	29	64
4	100	229	229	191	19	8	23.8	485	115	579	250	28.6	½" PT.	4	147	135	134	163	22	1310	43.2	95.2
6	150	267	279	241	22.2	8	25.4	633	140	747	300	31.75	½" PT.	4	212	166	190	196	30	2950	73.5	162
8	200	292	343	299	22. 2	8	28. 6	776	172	992	345	34.9	¾" 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	242	1410	450	44	1" PT.	6	383	262	370	284	49	11820	335	737

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