BS FLANGED RESILIENT OS&Y GATE VALVE FOR WATERWORKS

Type: XZ41X Doc No:DS-922-XZ41X-01-E-S

1.0 PRODUCT OVERVIEW

The flanged OS&Y gate valve is mainly used to connect and cut off the medium in the pipeline. The stem nut is on the bracket. When opening and closing the gate plate, the rotary stem nut is used to realize the rise and fall of the stem. The valve switch can be identified according to the lifting height of the stem.



Dimensions:

2”(DN50)-24”(DN600)

Design Standard:

BS5163-1, BS5163-2, EN 558-1 series 3

Connection Standard:

BS EN 1092-2

Working Pressure:

PN16, PN10

Application:

This BS standard flanged OS&Y gate valve is applied at the water system, the working temperature is 0℃-80℃.

Materialof Matching Products:

Ductile iron flange according to BS EN 1092-2
Cast iron flange according to BS EN 1092-2
Steel flange according to BS EN 1092-1

Sign Off:
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Location:_____ Date:_____Approved& Date: _____

Surface Treatment:

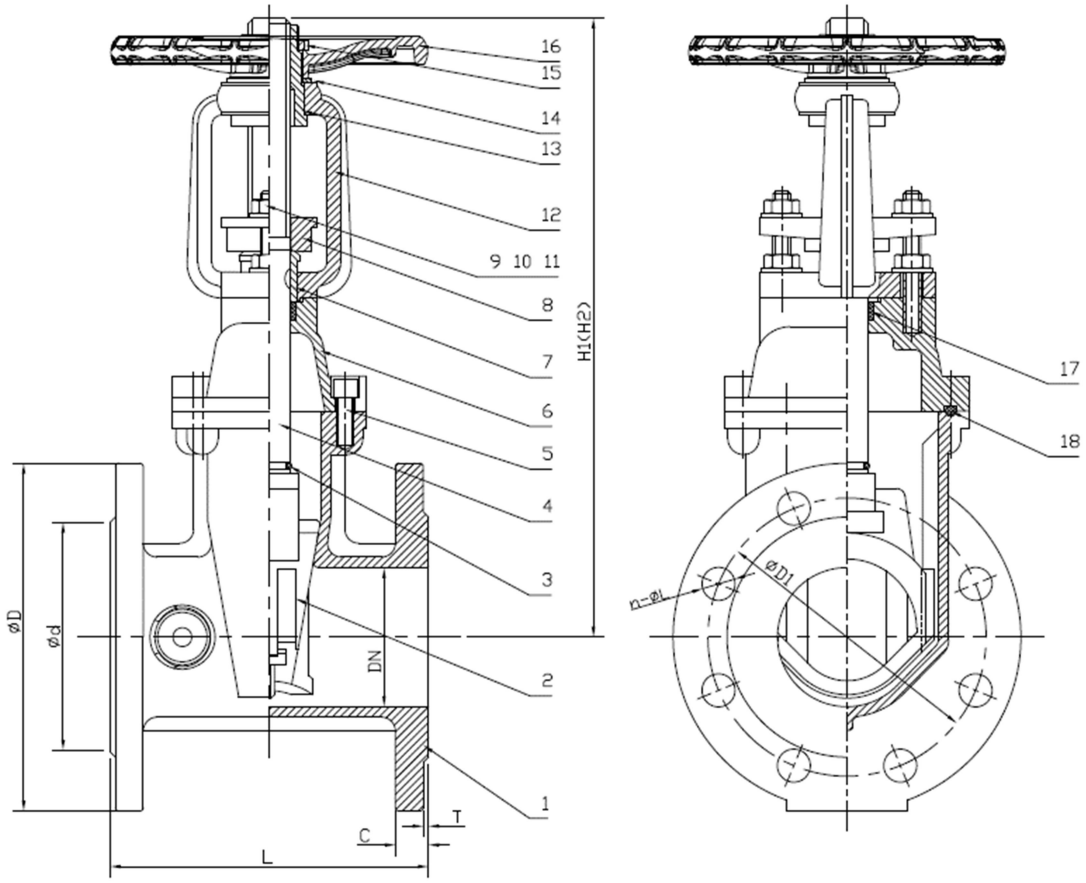
☐ Epoxy power painting (color numbers as RAL5002, RAL5005,etc)
☐ Painting (color numbers as RAL5005,etc)
☐ Others would be available upon clients' detailed request

2.0 APPROVALS

WRAS APPROVED PRODUCT NSF/ANSI 61NSF/ANSI 372 CE ACS

3.0 SPECIFICATIONS

Product Sketch:



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Part No.	Part	Standard Specification	Options
1	Valve Body	EN-GJS-450-10	
2	Resilient Wedge disc	EN-GJS-450-10+EPDM	
3	O-Ring	NBR	EPDM
4	Stem	SS420	SS304,SS316,SS431
5	Bolt	Carbon Steel Zinc Plated	SS304,SS316
6	Bonnet	EN-GJS-450-10	
7	Stem Bushing	Brass HPb59-1	
8	Gland	EN-GJS-450-10	
9	Flat Washer	Carbon Steel Zinc Plated	SS304,SS316
10	Stud	Carbon Steel Zinc Plated	SS304,SS316
11	Nut	Carbon Steel Zinc Plated	SS304,SS316
12	Yoke	EN-GJS-450-10	
13	Stem Nut	Brass HPb59-1	
14	Washer	Brass HPb59-1	
15	Lock Nut	Carbon Steel Zinc Plated（Type A) Notavailable（Type B)	
16	Handwheel	EN-GJS-450-10	
17	Stem Packing	EPDM	NBR
18	Bonnet Gasket	EPDM	NBR

4.0 DIMENSIONS AND PERFORMANCE

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4.1Dimensions

DN		PN	Dimensions（mm）										
Inch	mm		L	TypeA		TypeB		D	D1	d	C	T	n-φL
				H1 (Close)	H2 (Open)	H1 (Close)	H2 (Open)						
2"	50	10/16	178	323	373	348	400	165	125	99	19	3	4-Φ19
2.5"	65	10/16	190	343	408	373	440	185	145	118	19	3	4-Φ19
3"	80	10/16	203	370	450	408	490	200	160	132	19	3	8-Φ19
4"	100	10/16	229	442	542	471	573	220	180	156	19	3	8-Φ19
5"	125	10/16	254	541	665	541	665	250	210	184	19	3	8-Φ19
6"	150	10/16	267	608	758	601	755	285	240	211	19	3	8-Φ23
8"	200	10	292	720	920	774	975	340	295	266	20	3	8-Φ23
		16											12-Φ23
10"	250	10	330	939	1193	939	1193	405	350	319	22	3	12-Φ23
		16							355				12-Φ28
12"	300	10	356	1065	1370	1065	1370	460	400	370	24.5	4	12-Φ23
		16							410				12-Φ28
14"	350	10	381	1415	1780	1415	1780	516	460	429	26.5	4	16-Φ23
		16							470				16-Φ28
16"	400	10	406	1385	1790	1385	1790	575	515	480	28	4	16-Φ28
		16							525				16-Φ31
18"	450	10	432	1835	2290	1835	2290	635	565	530	30	4	20-Φ28
		16							585	548			20-Φ31
20"	500	10	457	1830	2380	1830	2380	710	620	582	31.5	4	20-Φ28
		16							650	609			20-Φ34
24"	600	10	508	2030	2830	2030	2830	836	725	682	36	5	20-Φ31
		16							770	720			20-Φ37

4.2Flow rates

DN	DN50	DN65	DN80	DN100	DN125	DN150	DN200	DN250	DN300	DN350	DN400	DN450	DN500	DN600
Kv	41	65	94	163	254	366	651	1017	1456	1838	2438	3123	3877	5666

Sign Off:

Owner:_____ Contractor:_____ Engineer: _____

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5.0 REFERENCE MATERIALS

Approved certification for Gate Valve

Sign Off:
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