

BS FLANGED RESILIENT NRS GATE VALVE

Type: Z45X

Doc No:DS-922-Z45X-01-E-S

1.0 PRODUCT OVERVIEW

The valve is mainly used to connect and cut off the medium in the pipeline by rotating the stem. Its transmission thread is inside the body cavity, which can save installation space.



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 NRS gate valve is applied at the waterworks system, Suitable for drinking water, water supply and drainage, sewage treatment, irrigation, and other pipeline systems, the working temperature is 0°C-80°C.

Material of Matching Products:

Ductile iron flange according to BS EN 1092-2

Cast iron flange according to BS EN 1092-2

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Steel flange according to BS EN 1092-1

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

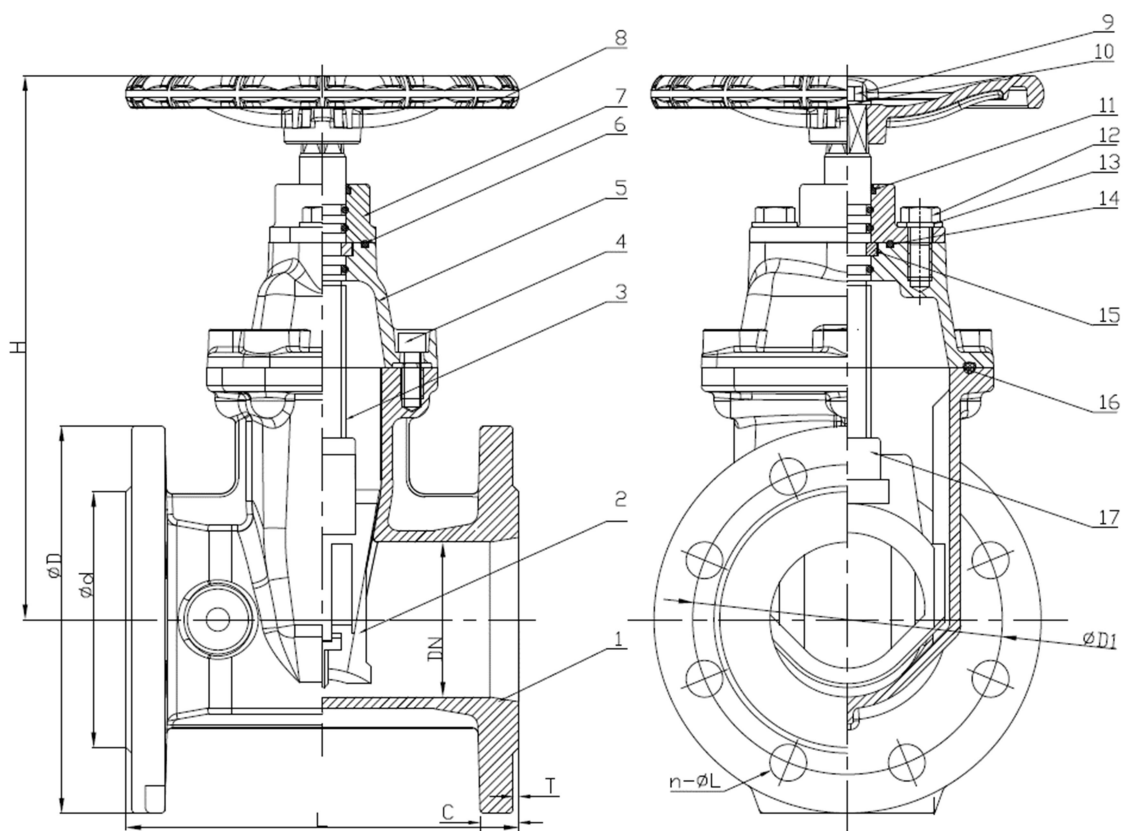
2.0 APPROVALS



NSF/ANSI 61 NSF/ANSI 372 CE ACS

3.0 SPECIFICATIONS

Product Sketch:



Part No.	Part	Standard Specification	Options
1	Valve Body	EN-GJS-450-10	
2	Resilient Wedge disc	EN-GJS-450-10+EPDM	
3	Stem	SS420	SS304,SS316,SS431

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4	Bolt	Carbon Steel Zinc Plated	SS304,SS316
5	Bonnet	EN-GJS-450-10	
6	O-Ring	NBR	EPDM
7	Gland	EN-GJS-450-10	
8	Handwheel	EN-GJS-450-10	
9	Bolt	Carbon Steel Zinc Plated	SS304,SS316
10	Flat Washer	Carbon Steel Zinc Plated	SS304,SS316
11	Ring Wiper	EPDM	NBR
12	Bolt	Carbon Steel Zinc Plated	SS304,SS316
13	Flat Washer	Carbon Steel Zinc Plated	SS304,SS316
14	O-Ring	NBR	EPDM
15	Thrust Washer	Brass Hpb59-1(Typa A) Not Available(Typa B)	
16	Bonnet Gasket	EPDM	NBR
17	Wedge nut	Brass HPb59-1	Bronze ZQSn5-5-5

4.0 DIMENSIONS AND PERFORMANCE

4.1 Dimensions

DN		PN	Dimensions (mm)								
Inch	mm		L	H		D	D1	d	C	T	n-φL
				TypeA	TypeB						
2"	50	10/16	178	218	254	165	125	99	19	3	4-Φ19
2.5"	65	10/16	190	232	275	185	145	118	19	3	4-Φ19
3"	80	10/16	203	281	301	200	160	132	19	3	8-Φ19
4"	100	10/16	229	316	355	220	180	156	19	3	8-Φ19
5"	125	10/16	254	393	393	250	210	184	19	3	8-Φ19
6"	150	10/16	267	420	448	285	240	211	19	3	8-Φ23
8"	200	10	292	490	548	340	295	266	20	3	8-Φ23
		16									12-Φ23
10"	250	10	330	626	626	405	350	319	22	3	12-Φ23
		16					355				12-Φ28
12"	300	10	356	722	722	460	400	370	24.5	4	12-Φ23
		16					410				12-Φ28
14"	350	10	381	918	918	520	460	429	26.5	4	16-Φ23
		16					470				16-Φ28
16"	400	10	406	918	918	580	515	480	28	4	16-Φ28
		16					525				16-Φ31
18"	450	10	432	1108	1108	640	565	530	30	4	20-Φ28

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		16					585	548			20-Φ31
20"	500	10	457	1130	1130	715	620	582	31.5	4	20-Φ28
		16					650	609			20-Φ34
24"	600	10	508	1311	1311	840	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

5.0REFERENCE MATERIALS

Approved certification for Gate Valve

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