

SANS 664 FLANGED RESILIENT NRS GATE VALVE

MODEL: Z45X

DOCUMENT NUMBER: DS-952-Z45X-01-E-S

1.0 PRODUCT OVERVIEW

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



Dimensions:

2"(DN50)-12"(DN300)

Design Standard:

SANS 664-1,SANS 664-2,SANS 664-3;

Connection Standard:

SANS 1123;

Working Pressure:

PN10/16;

Application:

Mainly used in the field of water affairs, the working temperature range is 0°C-80°C

Material of Matching Products:

Ductile iron, grey iron, steel flanged valves and fittings in accordance with SANS 1123;

Surface Treatment:

Epoxy spray (Available colors such as RAL5002, RAL5005、RAL5013,

Sign Off:

Owner:_____ Contractor:_____ Engineer: _____
Location:_____ Date:_____ Approved& Date: _____

RAL5015)

Spray Paint (Available colors such as RAL5005)

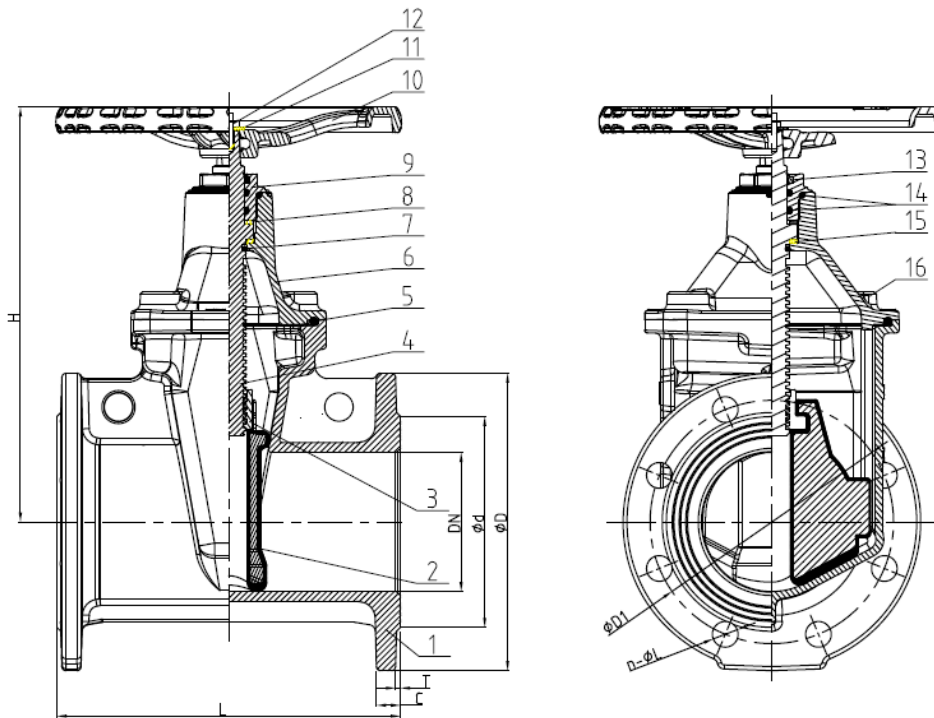
Other surfaces are available upon customer request

2.0 APPROVALS



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	Wedge nut	DZR BRASS CW614N	
4	Stem	SS420	SS304,SS316,SS431
5	Bonnet Gasket	EPDM	NBR
6	Bonnet	EN-GJS-450-10	
7	O-Ring	NBR	EPDM
8	Washer	PTFE	

Sign Off:

Owner: _____ Contractor: _____ Engineer: _____

Location: _____ Date: _____ Approved & Date: _____

9	Locknut	DZR BRASS CW614N	
10	Handwheel	EN-GJS-450-10	
11	Flat Washer	SS304	SS316
12	Bolt	SS304	SS316
13	Ring Wiper	EPDM	NBR
14	O-Ring	NBR	EPDM
15	Washer	DZR BRASS CW614N	
16	Bolt	SS304	SS316

4.0 DIMENSIONS AND PERFORMANCE

4.1 Dimensions

DN mm	PN	Dimensions (mm)							
		L	H(max)	D	D1	d	C	T	n-ΦL
50	10/16	216	216	165	125	99	19	3	4-Φ18
80	10/16	229	282	200	160	132	19	3	8-Φ18
100	10/16	254	307	220	180	156	19	3	8-Φ18
150	10/16	280	409	285	240	211	19	3	8-Φ22
200	10	317	515	340	295	266	20	3	8-Φ22
	16				12-Φ22				
250	10	356	625	405	350	319	22	3	12-Φ22
	16				355				12-Φ26
300	10	380	701	460	400	340	24.5	4	12-Φ22
	16				410				12-Φ26

4.2 Flow rates

DN	DN50	DN80	DN100	DN150	DN200	DN250	DN300
Kv	40.7	94	162.8	366.3	651.1	1017.4	1456

5.0 REFERENCE MATERIALS

Gate valve certification

Sign Off:

Owner: _____ Contractor: _____ Engineer: _____
 Location: _____ Date: _____ Approved & Date: _____

BS FLANGED RESILIENT OS&Y GATE VALVE

FOR WATERWORKS

Type: XZ41X

Doc No: DS-922-XZ41X-01-E-X

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.

NSF/ANSI 61 NSF/ANSI 372



XZ41X



Dimensions:

2"(DN50)-24"(DN600)

Design Standard:

BS5163-1, BS5163-2, EN 558-1 series 3, SANS 665-1 , SANS 665-3

Connection Standard:

BS EN 1092-2, BS 10 TABLE D/E

Sign Off:

Owner: _____ Contractor: _____ Engineer: _____
Location: _____ Date: _____ Approved & Date: _____

Working Pressure:

PN16, PN10

Application:

This BS standard flanged OS&Y gate valve is applied at the fire-protection system, 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

Steel flange according to BS EN 1092-1

Surface Treatment:

- Epoxy power painting (color numbers as RAL3000, RAL3001、RAL3000-1,etc)
- Painting (color numbers as RAL3000,etc)
- Others would be available upon clients' detailed request

2.0 APPROVALS



NSF/ANSI 61

NSF/ANSI 372

CE ACS

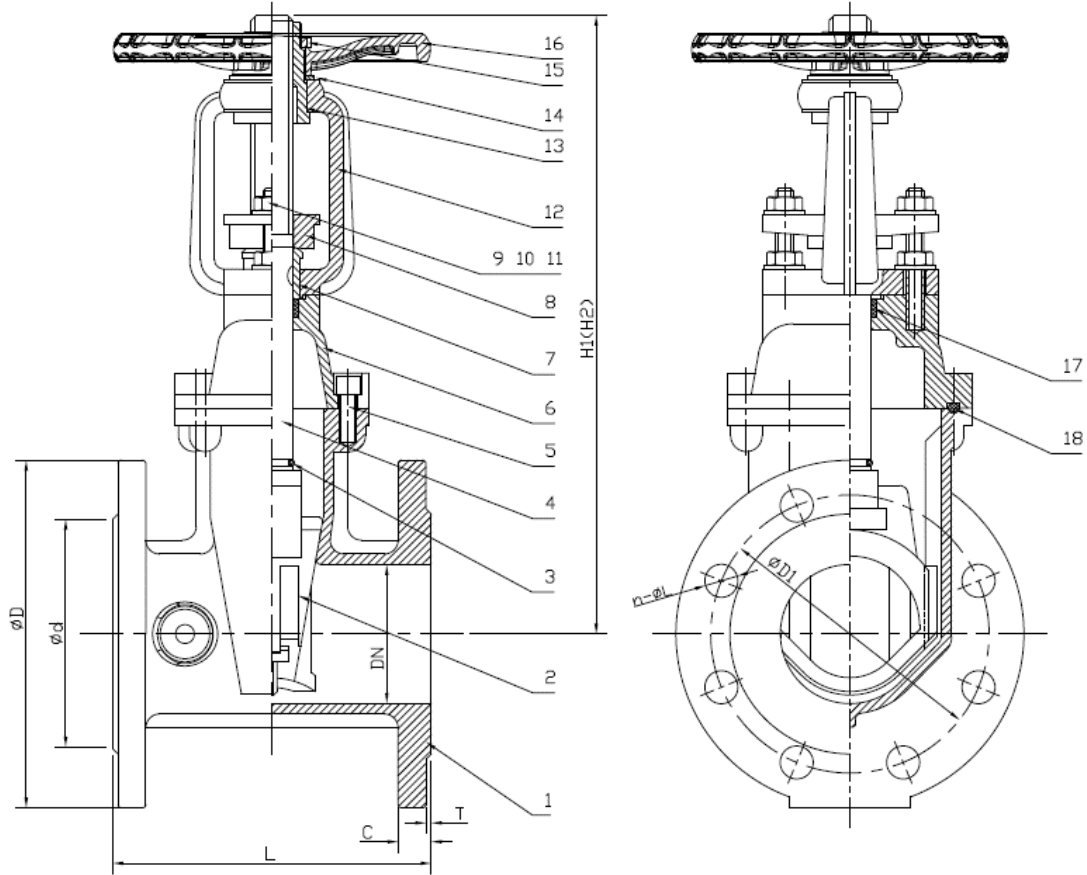


Sign Off:

Owner: _____ Contractor: _____ Engineer: _____
Location: _____ Date: _____ Approved & Date: _____

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	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

Sign Off:

Owner: _____ Contractor: _____ Engineer: _____
Location: _____ Date: _____ Approved & Date: _____

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) Not available (Type B)	
16	Handwheel	EN-GJS-450-10	
17	Stem Packing	EPDM	NBR
18	Bonnet Gasket	EPDM	NBR

4.0 DIMENSIONS AND PERFORMANCE

4.1 Dimensions

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	1210	1560	1210	1560	520	460	429	26.5	4	16-φ23
		16							470				16-φ28
16"	400	10	406	1280	1680	1280	1680	580	515	480	28	4	16-φ28
		16							525				16-φ31
18"	450	10	432	1760	2210	1760	2210	640	565	530	30	4	20-φ28
		16							585	548			20-φ31
20"	500	10	457	1780	2280	1780	2280	715	620	582	31.5	4	20-φ28
		16							650	609			20-φ34
24"	600	10	508	1950	2550	1950	2550	840	725	682	36	5	20-φ31
		16							770	720			20-φ37

Sign Off:

Owner: _____ Contractor: _____ Engineer: _____
 Location: _____ Date: _____ Approved & Date: _____

4.2 Flow rates

D	DN	DN	DN	DN1	DN1	DN1	DN2	DN2	DN3	DN3	DN4	DN4	DN5	DN6
N	50	65	80	00	25	50	00	50	00	50	00	50	00	00
Kv	41	65	94	163	254	366	651	1017	1456	1838	2438	3123	3877	5666

5.0 REFERENCE MATERIALS

Approved certification for Gate Valve

Sign Off:

Owner: _____ Contractor: _____ Engineer: _____
 Location: _____ Date: _____ Approved & Date: _____