AWWA FLANGED RESILIENT NRS GATE VALVE

Type: Z45X **Doc No:DS-901-Z45X-01-E-X**

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)-12”(DN600)

Design Standard:

AWWA C515、ASME B16.10

Connection Standard:

ASMEB16.1 CL 125

Working Pressure:

300PSI、250PSI、200PSI

Application:

The AWWA C515 NRS gate valve is applied at the fire-protection system, the working temperature is 0℃-80℃.

Materialof Matching Products:

Connect flanged pipes in accordance with American Standard ASME B16.1 CL125

Surface Treatment:

Sign Off:

Owner:_____ Contractor:_____ Engineer: _____

Location:_____ Date:_____Approved& Date: _____

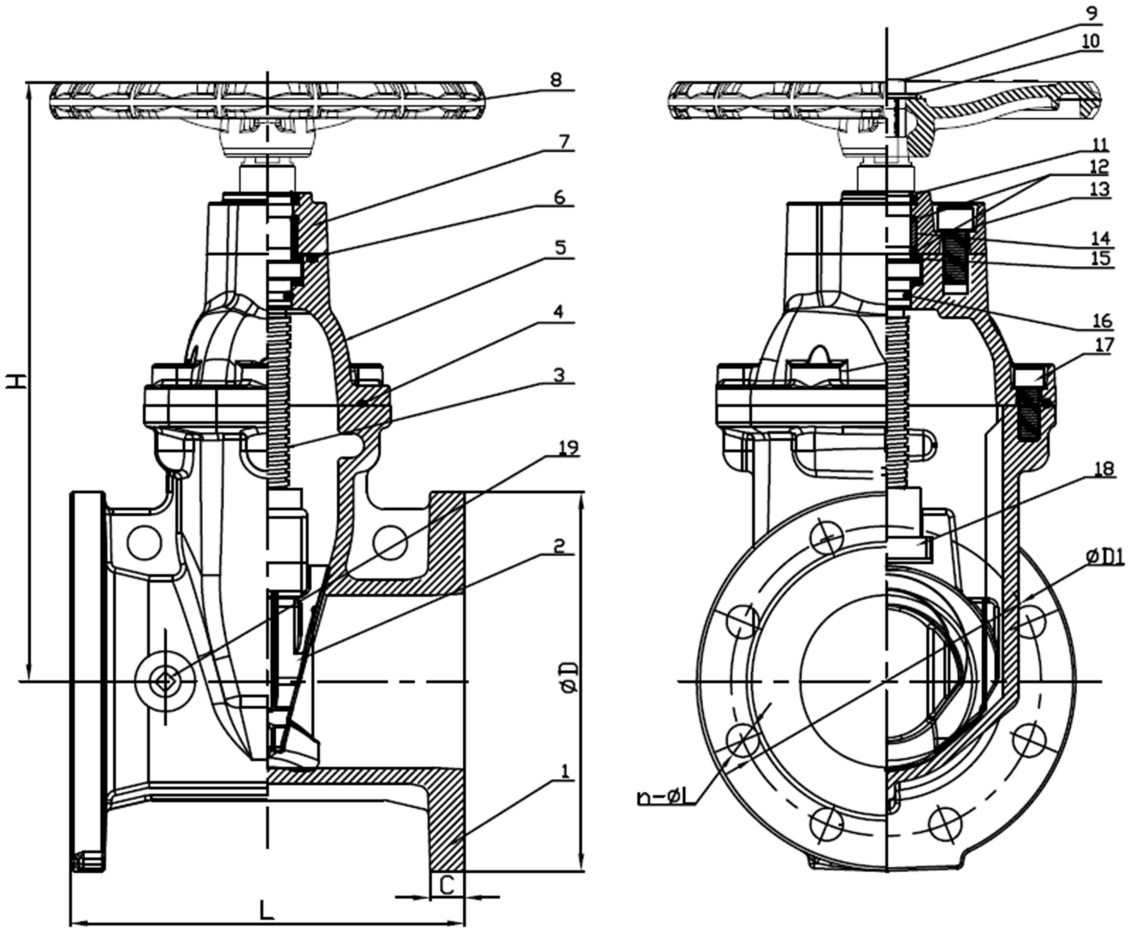
☐ Epoxy power painting (color numbers asRAL3000，RAL3001、RAL3000-1,etc)
☐ Painting (color numbers as RAL3000,etc)
☐ Others would be available upon clients' detailed request

2.0 APPROVALS

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3.0 SPECIFICATIONS

Product Sketch:



Sign Off:
Owner:_____ Contractor:_____ Engineer: _____
Location:_____ Date:_____Approved& Date: _____

Part No.	Part	Standard Specification	Options
1	Valve Body	ASTM A536 65-45-12	
2	Resilient Wedge disc	ASTM A536 65-45-12+EPDM	
3	Stem	Stalnless Steel 420	AISI304, AISI 316, AISI 431
4	Bonnet Gasket	EPDM	NBR
5	Bonnet	ASTM A536 65-45-12	
6	O-Ring	NBR	EPDM
7	Gland	ASTM A536 65-45-12	
8	Handwheel	ASTM A536 65-45-12	
9	Bolt	Carbon Steel Zinc Plated	AISI304, AISI 316
10	Flat Washer	Carbon Steel Zinc Plated	AISI304, AISI 316
11	Ring Wiper	EPDM	NBR
12	O-Ring	NBR	EPDM
13	Bolt	Carbon Steel Zinc Plated	AISI316
14	Axis guide	Brass HPb59-1	
15	Washer	Brass HPb59-1	
16	O-Ring	NBR	EPDM
17	Bolt	Carbon Steel Zinc Plated	AISI304, AISI 316
18	Wedge nut	Brass HPb59-1	Bronze ZQSn5-5-5
19	Plug	C89833	C44300

4.0 DIMENSIONS AND PERFORMANCE

4.1 Dimensions

DN		Dimensions(mm)					
inch	mm	L	H	D	D1	C	n-ΦL
2"	50	178	254	152	120.7	16	4-Φ19.1
21/2"	65	190	275	178	139.7	17.5	4-Φ19.1
3"	80	203	301	191	152.4	19.1	4-Φ19.1
4"	100	229	355	229	190.5	19.1	8-Φ19.1
5"	125	254	393	254	215.9	19.1	8-Φ22.2
6"	150	267	448	279	241.3	19.1	8-Φ22.2
8"	200	292	548	343	298.5	22.2	8-Φ22.2
10"	250	330	626	406	362	23.8	12-Φ25.4
12"	300	356	722	483	431.8	25.4	12-Φ25.4
14"	350	381	918	533	476.3	25.4	12-Ø28.6
16"	400	406	918	597	539.8	25.4	16-Ø28.6
18"	450	432	1108	635	577.9	25.4	16-Ø31.8
20"	500	457	1130	699	635	28.6	20-Ø31.8
24"	600	508	1321	813	749.3	30.1	20-Ø34.9

Sign Off:

Owner:_____ Contractor:_____ Engineer: _____

Location:_____ Date:_____Approved& Date: _____

4.2Flow rates

DN	DN50	DN65	DN80	DN100	DN125	DN150	DN200
Kv	40.7	64.6	94	162.8	254.4	366.3	651.1
DN	DN250	DN300	DN350	DN400	DN450	DN500	DN600
Kv	1017.4	1456	1837.7	2437.9	3122.8	3876.5	5666.3

5.0 REFERENCE MATERIALS

Approved certification for Gate Valve

Sign Off:
Owner:_____ Contractor:_____ Engineer: _____
Location:_____ Date:_____Approved& Date: _____