

AWWAMECHANICAL RESILIENT NRS GATE VALVE**Type: Z35X****Doc No:DS-901-Z35X-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)-18"(DN450)

Design Standard:

AWWA C515;

Connection Standard:

ANSI/AWWA C111/A21.11

Working Pressure:

300PSI; 250PSI;200PSI;

Application:

This AWWA standard mechanical resilient NRS gate valve is applied at the fire-protection system, the working temperature is 0°C-80°C.

Sign Off:

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

Material of Matching Products:

AWWA C153/A21.53

Surface Treatment:

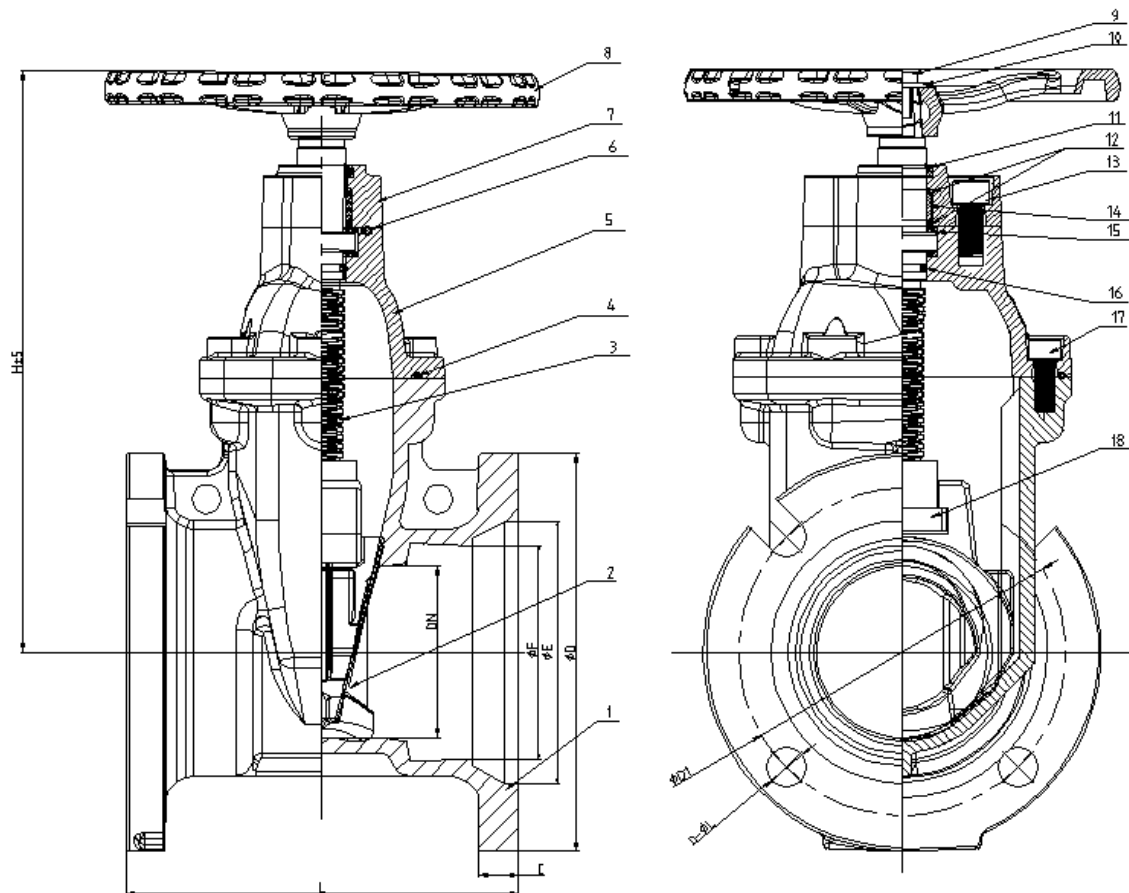
- ☐ Epoxy power painting (color numbers as RAL3000, RAL3001, etc)
- ☐ Painting (color numbers as RAL3000, etc)
- ☐ Others would be available upon clients' detailed request

2.0 APPROVALS



3.0 SPECIFICATIONS

Product Sketch:



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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	AISI 420	AISI 304、AISI 316、AISI 431
4	Bonnet Gasket	EPDM	
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	AISI 304、AISI 316、
10	Flat Washer	Carbon Steel Zinc Plated	AISI 304、AISI 316、
11	Ring Wiper	EPDM	NBR
12	O-Ring	NBR	EPDM
13	Bolt	Carbon Steel Zinc Plated	AISI 304、AISI 316、
14	Axis guide	Brass HPb59-1	
15	Washer	Brass HPb59-1	
16	O-Ring	NBR	EPDM
17	Bolt	Carbon Steel Zinc Plated	AISI 304、AISI 316、
18	Wedge nut	Brass HPb59-1	

4.0 DIMENSIONS AND PERFORMANCE

4.1 Dimensions

DN		Dimensions(mm)							
inch	mm	L	H	øD	øD1	øE	øF	C	n-øL
2"	50	203	254	152	120.6	89	66.3	16	2-ø19.1
3"	80	229	301	195	157	125.5	103.1	19.1	4-ø19.1
4"	100	229	355	232	190.5	152.9	124.5	19.1	4-ø22.2
6"	150	292	448	282	241.3	206.2	177.8	19.1	6-ø22.2
8"	200	318	548	340	298.5	260.9	232.4	22.2	6-ø22.2
10"	250	375	626	397	355.6	313.4	284.4	23.8	8-ø22.2
12"	300	378	722	454	412.7	366.7	337.8	25.4	8-ø22.2
14"	350	381	918	514	476.3	392.2	356	25.4	10-ø22.5
16"	400	406	918	571.5	533.4	473.5	445.5	25.4	12-ø22.5
18"	450	432	1108	629	590.5	526.8	499	26.5	12-ø22.5

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4.2Flow rates

DN	DN50	DN80	DN100	DN150	DN200
Kv	40.7	94	162.8	366.3	651.1
DN	DN250	DN300	DN350	DN400	DN450
Kv	1017.4	1456	1837.7	2437.9	3122.8

5.0REFERENCE MATERIALS

Approved certification for Gate Valve

Sign Off:

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Location:_____ Date:_____ Approved& Date: _____