AWWA GROOVED RESILIENT OS&Y GATE VALVE

Type: XZ81X **Doc No:DS-901-XZ81X-01-E-X**

1.0 PRODUCT OVERVIEW

The grooved resilient 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)-12”(DN300)

Design Standard:

AWWA C515；

Connection Standard:

AWWA C606

Working Pressure:

300PSI;

Application:

This AWWA groove resilient OS&Y gate valveis applied at the fire-protection system, the working temperature is 0℃-80℃.

Sign Off:

Owner:_____ Contractor:_____ Engineer: _____

Location:_____ Date:_____Approved& Date: _____

Materialof Matching Products:

Grooved valves or fittings of ductile iron, gray iron, cast steel, etc.

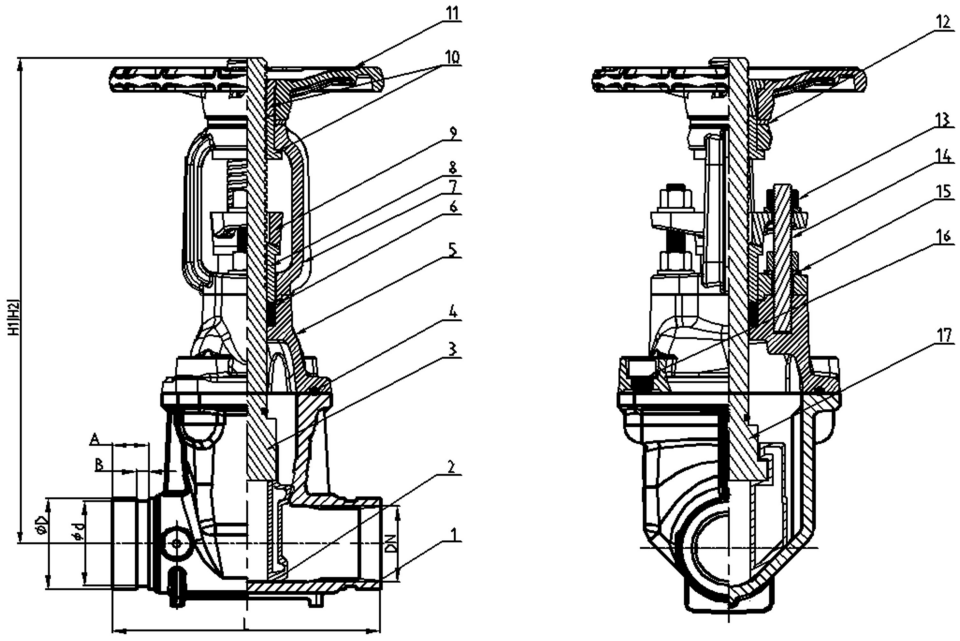
Surface Treatment:

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

2.0 APPROVALS

3.0 SPECIFICATIONS

Product Sketch:



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

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4	Bonnet Gasket	EPDM	
5	Bonnet	ASTM A536,65-45-12	
6	Packing	EPDM	
7	Yoke	ASTM A536,65-45-12	
8	Stem Bushing	Brass HPb59-1	
9	Gland	ASTM A536,65-45-12	
10	Stem Nut	Brass HPb59-1	Bronze ZQSN5-5-5
11	Handwheel	ASTM A536,65-45-12	
12	Washer	Brass HPb59-1	
13	Gland Nut	Carbon Steel Zinc Plated	AISI 304、AISI 316、
14	Stud	Carbon Steel Zinc Plated	AISI 304、AISI 316、
15	Flat Washer	Carbon Steel Zinc Plated	AISI 304、AISI 316、
16	Bolt	Carbon Steel Zinc Plated	AISI 304、AISI 316、
17	O-Ring	NBR	EPDM
18	Plug	C89833	

4.0 DIMENSIONS AND PERFORMANCE

4.1 Dimensions

Size		Dimensions(mm)						
Inch	mm	L	H1(close)	H2(open)	OD	d	A	B
2"	50	178	348	400	60.30	57.15	15.88	7.92
2.5"	65	190	373	440	73.00	69.09	15.88	7.92
3"	80	203	408	490	88.90	84.94	15.88	7.92
4"	100	229	471	573	114.30	110.08	15.88	9.52
5"	125	254	541	665	141.30	137.03	15.88	9.52
6"	150	267	601	755	168.30	160.90	15.88	9.52
8"	200	292	774	975	219.10	214.40	19.05	11.13
10"	250	330	1029	1283	273.00	268.28	19.05	12.70
12"	300	356	1065	1370	323.90	318.29	19.05	12.70

4.2 Flow rates

DN	DN50	DN65	DN80	DN100	DN150	DN200	DN250
Kv	40.7	64.6	94	162.8	366.3	651.1	1017.4
DN	DN300						
Kv	1456						

Sign Off:

Owner:_____ Contractor:_____ Engineer: _____

Location:_____ Date:_____Approved& Date: _____

5.0 REFERENCE MATERIALS

Approved certification for Gate Valve

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