

## OS & Y RESILIENT WEDGE GATE VALVE

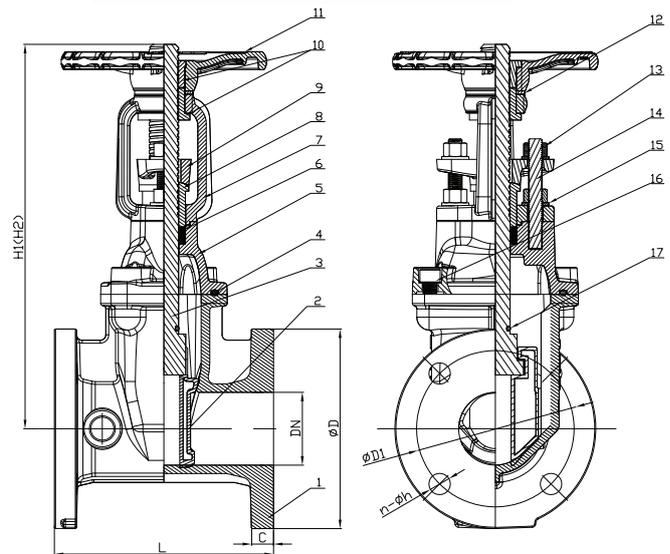


### MODEL: SD-OSY200FF-D

- Working pressure: 200 psi
- Connection ends: Flange to ANSI B16.1 Class 125
- Temperature range: 0°C to 80°C
- Coating: Fusion bonded epoxy coating internally and externally in accordance with ANSI/AWWA C550



PART NO.	PART NAME	ASTM SPEC.
1	Valve Body	ASTM A536, 65-45-12
2	Resilient Wedge Disc	ASTM A536, 65-45-12+EPDM
3	Stem	AISI420
4	Bonnet Gasket	EPDM
5	Bonnet	ASTM A536, 65-45-12
6	Washer	Brass
7	Yoke	ASTM A536, 65-45-12
8	Stem Bushing	Brass
9	Gland	ASTM A536, 65-45-12
10	Stem Nut	Brass
11	Hand Wheel	ASTM A536, 65-45-12
12	Washer	Brass
13	Gland Nut	SS 316
14	Stud	SS 316
15	Flat Washer	SS 316
16	Nut	SS 316
17	O Ring	EPDM



\* Optional for Stem AISI316

Size	L	H1	H2	D	D1	C	n x ø h	Net.Wt.Kg.
2"	178	355	407	152	120.7	16	4x19.1	14.38
2.5	190	379	451	178	139.7	17.5	4x19.1	17.42
3"	203	408	498	191	152.4	19.1	4x19.1	22.83
4"	229	471	583	229	190.5	23.8	8x19.1	31.56
5"	254	541	672	254	215.9	23.8	8x22.2	41.86
6"	267	606	763	279	241.3	25.4	8x22.2	52.23
8"	292	780	990	343	298.5	28.6	8x22.2	91.04
10"	330	939	1207	406	362	30.2	12x25.4	133.44
12"	356	1080	1389	483	431.8	31.8	12x25.4	197.50
14"	381	1418	1775	533	476.3	25.4	12-ø28.6	343.51
16"	406	1393	1795	597	539.8	25.4	16-ø28.6	356.29
18"	432	1835	2290	640	577.9	25.4	16- ø31.8	531.60
20"	457	1830	2380	715	635.0	28.6	20- ø31.8	566.73
24"	508	2030	2650	840	749.3	30.1	20- ø34.9	785.02

\* 5" - Only UL Listing

Unit : mm

## OS & Y RESILIENT WEDGE GATE VALVE



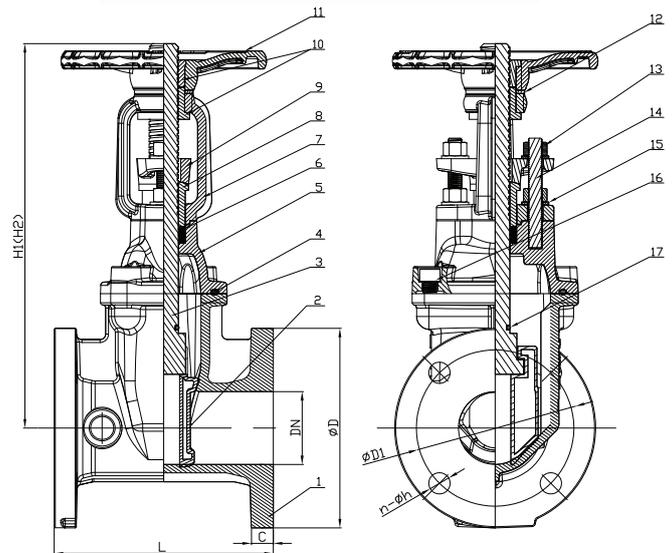
### MODEL: SD-OSY250FF-D

- Working pressure: 250 psi
- Connection ends: Flange to ANSI B16.1 Class 125
- Temperature range: 0°C to 80°C
- Coating: Fusion bonded epoxy coating internally and externally in accordance with ANSI/AWWA C550



PART NO.	PART NAME	ASTM SPEC.
1	Valve Body	ASTM A536, 65-45-12
2	Resilient Wedge Disc	ASTM A536, 65-45-12+EPDM
3	Stem	AISI420
4	Bonnet Gasket	EPDM
5	Bonnet	ASTM A536, 65-45-12
6	Washer	Brass
7	Yoke	ASTM A536, 65-45-12
8	Stem Bushing	Brass
9	Gland	ASTM A536, 65-45-12
10	Stem Nut	Brass
11	Hand Wheel	ASTM A536, 65-45-12
12	Washer	Brass
13	Gland Nut	Stainless Steel 316
14	Stud	Stainless Steel 316
15	Flat Washer	Stainless Steel 316
16	Nut	Stainless Steel 316
17	O Ring	EPDM

\* Optional for Stem AISI316



Size	L	H1	H2	D	D1	C	n x ø h
2"	178	355	407	152	120.7	15.9	8x19.1
2.5"	190	379	451	178	139.7	17.5	8x19.1
3"	203	408	498	191	152.4	19.1	8x19.1
4"	229	471	583	229	190.5	23.8	8x19.1
5"	254	541	672	254	215.9	23.8	8x22.2
6"	267	606	763	279	241.3	25.4	8x22.2
8"	292	780	990	343	298.5	28.6	8x22.2
10"	330	939	1207	406	362	30.2	12x25.4
12"	356	1080	1389	483	431.8	31.8	12x25.4
14"	381	1418	1775	533	476.3	25.4	12-ø28.6
16"	406	1393	1795	597	539.8	25.4	16-ø28.6
18"	432	1835	2290	640	577.9	25.4	16- ø31.8
20"	457	1830	2380	715	635.0	28.6	20- ø31.8
24"	508	2030	2650	840	749.3	30.1	20- ø34.9

\* 5" - Only UL Listing

Unit : mm

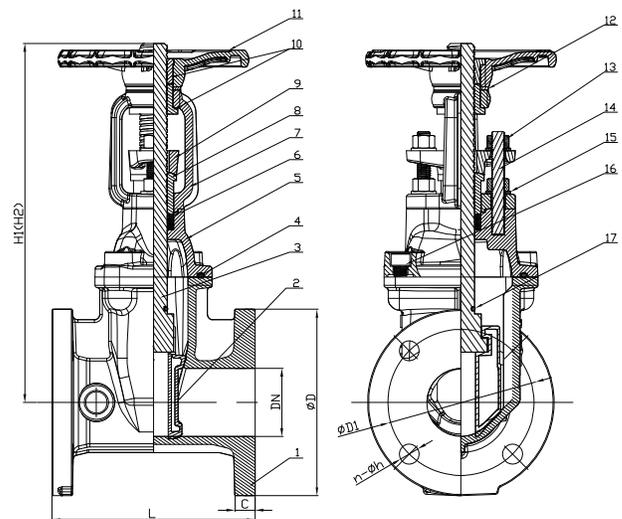
## OS & Y RESILIENT WEDGE GATE VALVE

### MODEL: SD-OSY300FF-D

- Working pressure: 300 psi
- Connection ends: Flange to ANSI B16.1 Class 125
- Temperature range: 0°C to 80°C
- Coating: Fusion bonded epoxy coating internally and externally in accordance with ANSI/AWWA C550



PART NO.	PART NAME	ASTM SPEC.
1	Valve Body	ASTM A536, 65-45-12
2	Resilient Wedge Disc	ASTM A536, 65-45-12+EPDM
3	Stem	AISI420
4	Bonnet Gasket	EPDM
5	Bonnet	ASTM A536, 65-45-12
6	Washer	Brass Hpb59-1
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
11	Hand Wheel	ASTM A536, 65-45-12
12	Washer	Brass Hpb59-1
13	Gland Nut	Carbon Steel Zinc Plated
14	Stud	Carbon Steel Zinc Plated
15	Flat Washer	Carbon Steel Zinc Plated
16	Nut	Carbon Steel Zinc Plated
17	O Ring	EPDM



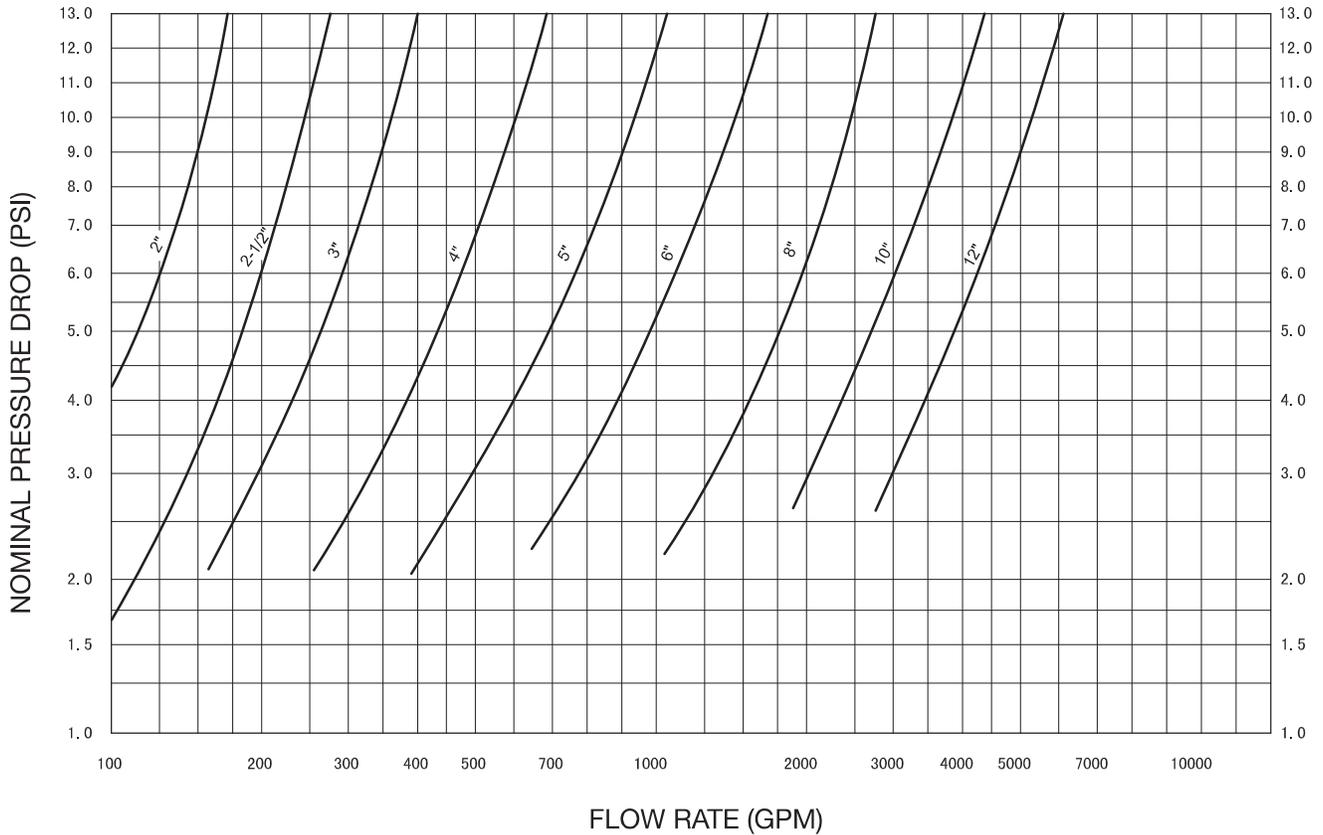
\* Optional for Stem AISI316

Size	L	H1	H2	D	D1	C	n x ø h	Net. Wt. Kg.
2"	178	318	370	152	120.7	16	4 x 19.1	14.38
2.5"	190	343	410	178	139.7	17.5	4 x 19.1	17.42
3"	203	386	468	191	152.4	19.1	4 x 19.1	22.83
4"	229	436	538	229	190.5	19.1	8 x 19.1	31.56
5"	254	516	640	254	215.9	19.1	8 x 22.2	41.86
6"	267	576	730	279	241.3	19.1	8 x 22.2	52.23
8"	292	749	950	343	298.5	22.2	8 x 22.2	91.04
10"	330	904	1158	406	362	23.8	12 x 25.4	133.44
12"	356	1030	1335	483	431.8	25.4	12 x 25.4	197.50

\* 5" - Only UL Listing

Unit : mm

## FRICITION LOSS (WATER AT 65° F)



SIZE OF VALVE	SIZE OF PIPE	FRICITIONAL LOSS (KPa/m)	EQUIVALENT PIPE LENGTH (mtr.)
2"	2" SCH40	5.3	1.0
2½"	2½" SCH40	4.4	1.0
3"	3" SCH40	3.3	1.0
4"	4" SCH40	2.4	1.0
6"	6" SCH40	1.5	1.5
8"	8" SCH30	1.0	1.5
10"	10" SCH40	0.8	2.0
12"	12" SCH40	0.7	2.5