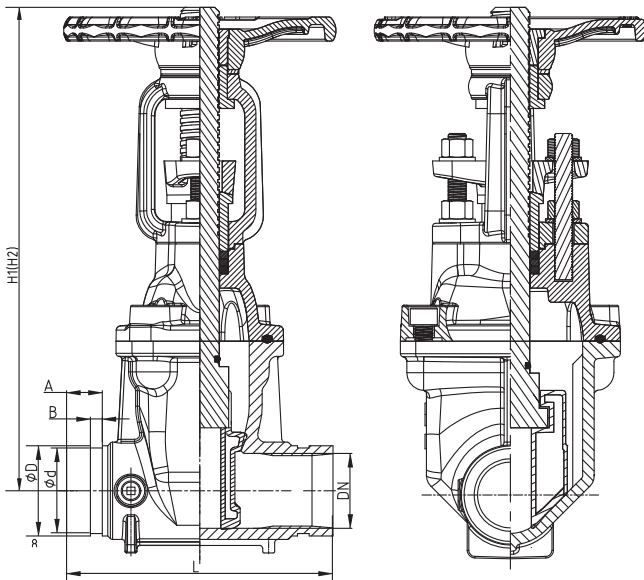




Control Valves & Devices | Gate Valves & Indicator Posts | OS&Y Gate Valve | Grooved | OSG



SPECIFICATIONS

Approvals



Sizes available (nominal)

2"/DN50, 2-1/2"/DN65, 3"/DN80, 4"/DN100, 5"/DN125, 6"/DN150, 8"/DN200, 10"/DN250 and 12"/DN300

Working pressure

21 bar (300 psi)

Seat type

Resilient wedge

Finish

Fusion bonded epoxy coated internal & external

Material (body)

Ductile iron

Connections

Grooved metric or AWWA C606 standard

Specifications

Design and dimensions conform to AWWA C515

Features

Pre-notched, stainless steel stem for easy attachment of supervisory switch

Note

Size 5" is only UL listed

Physical data | OSG

Reference	Nominal Pipe Size		Pipe O.D. (mm)	Dimensions (mm)						Weight (kg)
	inch	Metric		L	H1 (Closed)	H1 (Open)	d	A	B	
OSG-0200	2	DN50	60.3	178	348	400	57.2	15.9	7.9	11.4
OSG-0250-073	2-1/2	DN65	73.0	190	373	440	69.1	15.9	7.9	12.5
OSG-0250-076			76.1				72.3			
OSG-0300	3	DN80	88.9	203	408	490	84.9	15.9	7.9	16.9
OSG-0400	4	DN100	114.3	229	471	573	110.1	15.9	9.5	24.2
OSG-0500-139*	5	DN125	139.7	254	541	665	135.5	15.9	9.5	33.5
OSG-0500-141*			141.3				137.0			
OSG-0600-165	6	DN150	165.1	267	601	755	160.9	15.9	9.5	41.3
OSG-0600-168			168.3				164.0			
OSG-0800	8	DN200	219.1	292	774	975	214.4	19.1	11.1	73.7
OSG-1000	10	DN250	273.0	330	939	1,193	268.3	19.1	12.7	124.3
OSG-1200	12	DN300	323.9	356	1,065	1,370	318.3	19.1	12.7	174.5

* UL Listed only

Note: This document contains basic product information only. Information, photos and drawings are not contractually binding. In all cases, the manufacturer's full technical documentation remains the reference document. Note that certificates, test reports and approvals may be published in the OEM name.

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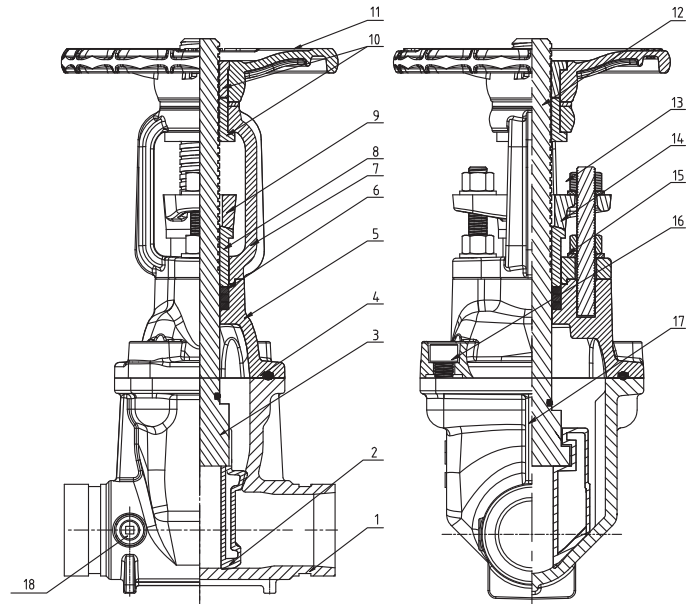




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Materials | OSG

Item	Description	Material	Specification
1	Valve Body	Ductile Iron	ASTM A536, 65-45-12
2	Resilient Wedge Disc	Ductile Iron	ASTM A536, 65-45-12 & EPDM
3	Stem	Stainless Steel	AISI 420
4	Bonnet Gasket	EPDM	Commercial
5	Bonnet	Ductile Iron	ASTM A536, 65-45-12
6	Stem Packing	EPDM	Commercial
7	Yoke	Ductile Iron	ASTM A536, 65-45-12
8	Stem Bushing	Brass	HPb59-1
9	Gland	Ductile Iron	ASTM A536, 65-45-12
10	Stem Nut	Brass	HPb59-1
11	Handwheel	Ductile Iron	ASTM A536, 65-45-12
12	Washer	Brass	CW617N
13	Gland Nut	Carbon Steel	Zinc Plated
14	Stud	Carbon Steel	Zinc Plated
15	Flat Washer	Carbon Steel	Zinc Plated
16	Bolt	Carbon Steel	Zinc Plated
17	O-Ring	NBR	Commercial
18	Plug	Bronze	ASTM B583 C89833



Installation | OSG

1. Piping systems and valves should be thoroughly cleaned and free from ingress of foreign materials.
2. Visually inspect the valve seating and ports for cleanliness immediately prior to installation.
3. All valves should be independently supported against movement and stress from the connected piping system.
4. Ensure that the valve pressure rating is compatible with service conditions.
5. Operate the valve at least once from the open to closed position.
6. Verify that packing nuts are tight before pressurizing the system.
7. Gate valves are not suitable for throttling applications.
8. Gate valves should be installed in the vertical position on horizontal pipework and in the horizontal position on vertical pipework.

Operation | OSG

Gate valves are manually operated multi-turn valves and are opened by a handwheel or other operating device, generally in a counter clockwise direction and then closed clockwise.

Inspection & Maintenance | OSG

1. Valves should be inspected periodically and should be cycled to prevent buildup of foreign materials in the piping system and valve body.
2. In the event of a packing leak adjust the packing nuts to increase pressure on the stem packing. Packing nuts should be tightening evenly approximately a quarter turn in a clockwise direction.
3. Always shut down the system before repacking the valve. Valves are designed with backseats for repacking under pressure but this is not recommended.

Closing torque for handwheel | OSG

Size		Closing Torque Nm
2"	DN50	27
2-1/2"	DN65	38
3"	DN80	65
4"	DN100	80
5"	DN125	100
6"	DN150	125
8"	DN200	160
10	DN250	240
12"	DN300	300

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