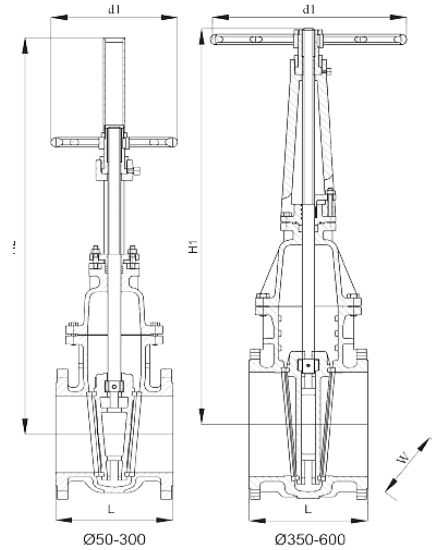


Description: The Rising Stem Gate Valve is a particular variety of gate valve where the stem's upward and downward motion correlates with the valve's open and closed states. It allows electronic tracking of this movement with the integration of a monitoring key. Additionally, when in a fully open position, it does not impede the fluid flow.



Application:

Rising Stem Gate Valves are used for isolation purposes and provide drip tight sealing once they are closed. When open, they provide undisturbed water flow. Due to its Rising Stem feature, operator can see the wedge position of the valve easily. Gate Valves are not suitable for regulation purposes.

Features:

Efficient Stem Design: The valve incorporates a rolled stem design, enabling low operating torque values for smooth operation.

Versatile Ring Construction: We offer various alternatives for ring assembly, including pressed-in, threaded, or welded rings.

Accessory Options: Upon request, we can equip the valve with gearbox and actuator accessories to meet specific requirements.

Customizable Wedge Guide: For certain sizes, we provide an optional wedge guide as per customer request to enhance valve operation.

Additional Configurations: Specific sizes also allow optional additions such as a jacking screw, wedge stop, or drain plug upon request.

Optional Bypass Valve: For larger sizes, an optional bypass valve can be added on demand to facilitate streamlined operation.



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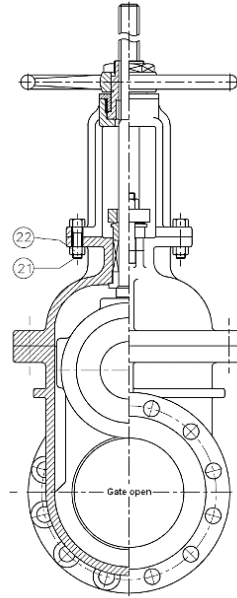
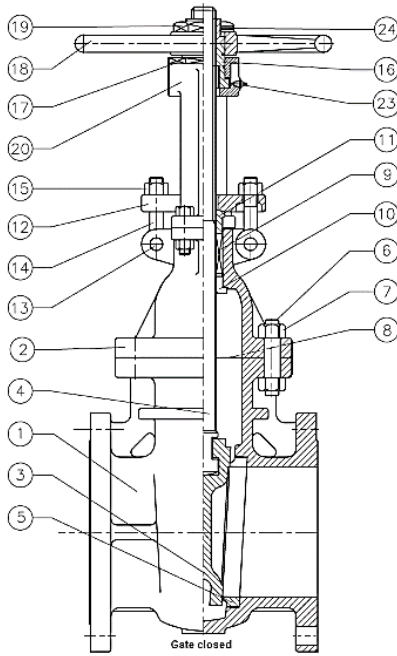
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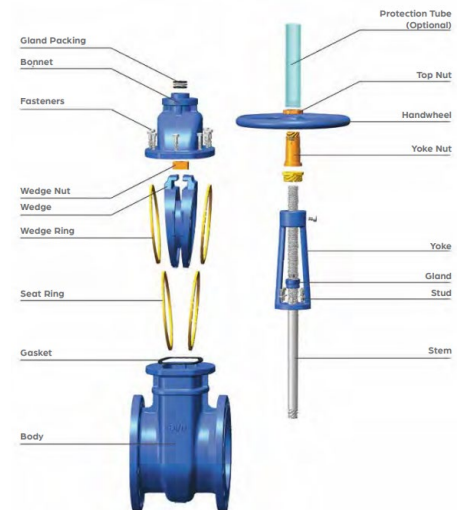
Construction



PART NO.	PART
1	Body
2	Bonnet
3	Disc
4	Stem
5	Seat ring
6	Bonnet Bolt
7	Bonnet Nut
8	Gasket
9	Packing
10	Back Seat
11	Gland Ring
12	Gland Flange
13	Hinge Pin
14	Gland Bolt
15	Gland Nut
16	Yoke Sleeve
17	Sleeve Nut
18	Handwheel
19	Handle Nut
20	Yoke
21	Yoke Bolt
22	Yoke Nut
23	Grease Nipple
24	Set Screw

Material Specification

Parts	Main Materials	Optional Materials
Body	Ductile Iron	Carbon Steel
Bonnet - Yoke		Stainless Steel
Wedge		Nickle Aluminum Bronze
Stem	X20Cr13	SS 304, SS 316, NAB
Nuts	Bronze	Brass, SS304, SS 316, NAB
Rings	Bronze	Brass, SS304, SS 316, NAB
Seals	EPDM	NBR
Fasteners	8:8 (Galv.)	SS 304, SS 316
Handwheel	Cast Iron	Ductile Iron



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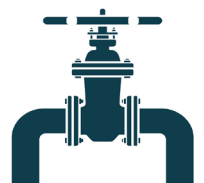
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Benefits of Rising Stem Gate Valves

Clear Positioning: The ascending stem offers an unmistakable visual cue of the valve's status, crucial for operational effectiveness and safety.

Simplified Upkeep: The use of a rising stem gate valve simplifies the process of accessing the stem and packing, facilitating faster maintenance and minimizing operational interruptions.

Reduced Wear: The elevation of the stem lessens its friction with the gate, minimizing the degradation of valve parts, thereby enhancing its longevity.

Installation Instructions

1. Equipment compatibility assessment:

Ensure that the valve's specified parameters coincide with the equipment's specifications. It is pivotal that the valve's rated flow aligns with the actual system's demand.

2. Installer expertise:

The installation should be performed by a technician who is either suitably trained or has sufficient experience to carry out the process correctly and safely.

3. Post-installation inspection:

After the installation, a comprehensive check is necessary to detect and correct any potential errors, ensuring the valve is properly integrated into the system.

4. Pre-installation cleaning:

Prior to the installation, a thorough cleaning of the pipe and valve is required. A chemical reagent can be used, if needed, to guarantee the absence of rust or dirt. Before initiating the cleaning process, all filters must be detached to ensure smooth flow within the pipe.

5. System flush and temporary valve placement:

At the start of the system cleaning, the valve should be installed on a substitute pipe. After the cleaning process concludes, the valve should be relocated and affixed to the system's main pipe.

6. Fluid medium constraints:

This product is not suitable for usage when the fluid medium possesses a high viscosity, such as in the presence of excessive grease or mineral oil, or under corrosive conditions.



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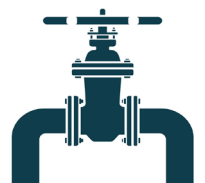
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7. Standardized connection equipment:

The valve should be connected using a flange and corresponding bolts that meet established industry standards. This ensures a reliable, safe, and efficient connection for the valve.

The Rising Stem Gateway to Versatility:

Our journey began with the production of Rising Stem Metal Seated Gate Valves, a flexible solution that has found its application in various industries worldwide. These valves stand as the preferred choice for professionals handling high-pressure and large-scale applications, underlining their reliability in critical isolation roles.

Quality Assurance and Customizable Construction:

The Rising Stem Metal Seated Gate Valves, crafted with dual body and wedge rings, ensure a drip-tight seal. Our proficiency in delivering seamless metal-to-metal sealing is amplified by high-quality production methods. With an assortment of ring materials on offer, we cater to a broad spectrum of requirements.

Innovative Design and Operational Efficiency:

Our Rising Stem Gate Valves, designed with a unique rotating, rolled, mono-block stem, effectively translate the handwheel's rotation to the wedge. The stem's rising feature, facilitated by the specially engineered yoke nut, guarantees smooth water flow and serves as a visual indicator of the wedge's position.

Notes:

1. Different flange drillings are available, including ISO, EN, ANSI, and others.
2. The standard operating temperature range is -10°C to +80°C.
3. All RAL Colors are available.
4. Potable water certified coating is available.
5. Both thermoset and thermoplastic coatings are available.



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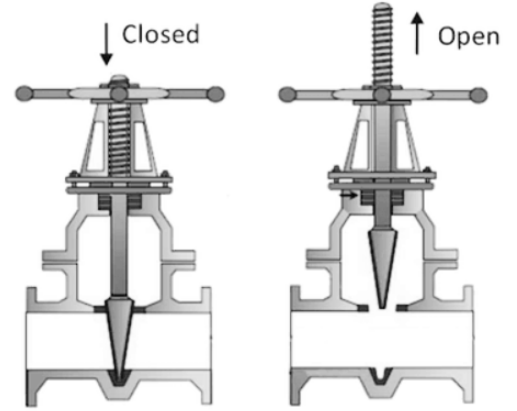
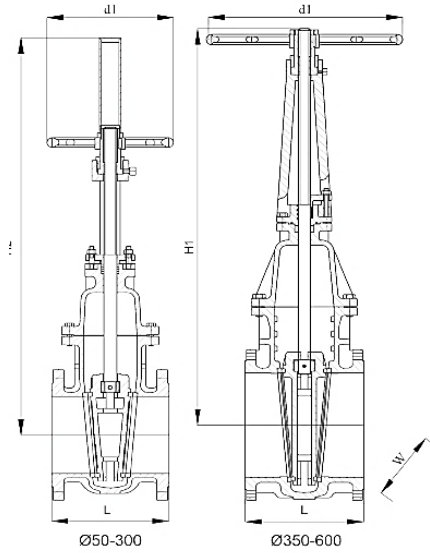


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DIMENSIONS (mm)

DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600
D1	200	200	200	200	200	200	315	315	400	500	500	500	600	600
Height 1	385	390	452	485	605	655	795	925	1100	1300	1450	1600	1775	2250
Height 2	475	480	565	620	745	840	1025	1195	1425	1615	1900	2150	2375	2850
Width	200	200	200	250	250	285	400	410	505	566	640	670	805	850
Length	150	170	180	190	200	210	230	250	270	290	310	330	350	390
Weight (kg)	17	20	27	32	42	55	89	130	173	275	370	500	550	675



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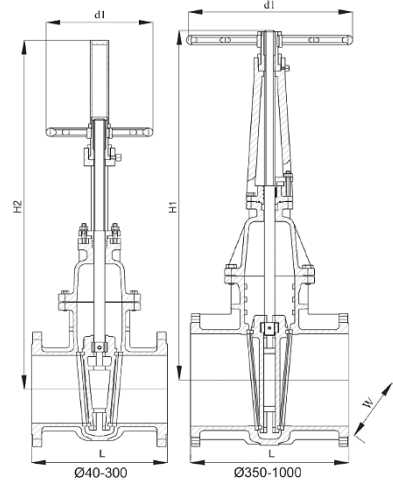


CORVALVE

GATE VALVES

EN 558-1 SERIES 15(DIN 3202 - F5) RISING STEM

Description: The Rising Stem Gate Valve is a particular variety of gate valve where the stem's upward and downward motion correlates with the valve's open and closed states. It allows electronic tracking of this movement with the integration of a monitoring key. Additionally, when in a fully open position, it does not impede the fluid flow.



Application:

Rising Stem Gate Valves are used for isolation purposes and provide drip tight sealing once they are closed. When open, they provide undisturbed water flow. Due to its Rising Stem feature, operator can see the wedge position of the valve easily. Gate Valves are not suitable for regulation purposes.

Features:

Efficient Stem Design: The valve incorporates a rolled stem design, enabling low operating torque values for smooth operation.

Versatile Ring Construction: We offer various alternatives for ring assembly, including pressed-in, threaded, or welded rings.

Accessory Options: Upon request, we can equip the valve with gearbox and actuator accessories to meet specific requirements.

Customizable Wedge Guide: For certain sizes, we provide an optional wedge guide as per customer request to enhance valve operation.

Additional Configurations: Specific sizes also allow optional additions such as a jacking screw, wedge stop, or drain plug upon request.

Optional Bypass Valve: For larger sizes, an optional bypass valve can be added on demand to facilitate streamlined operation.



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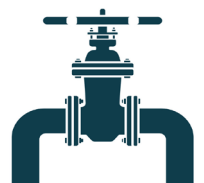
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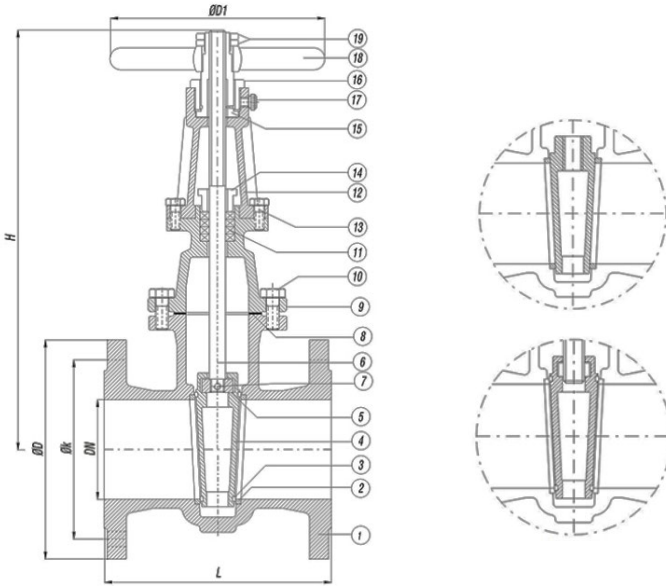
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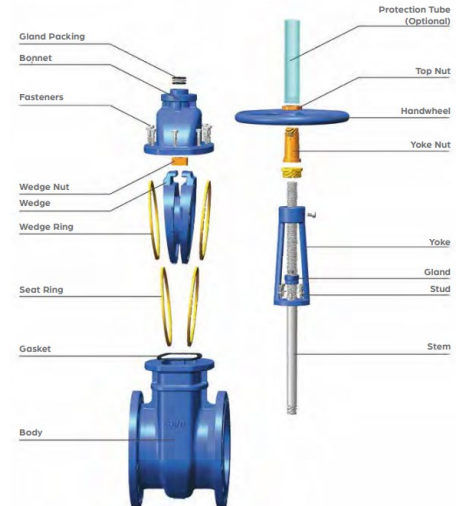
Construction



PART NO.	PART
1	Body
2	Body Seat
3	Wedge
4	Wedge Seat
5	Wedge Nut
6	Stem
7	Pin
8	Gasket
9	Bonnet
10	Screw
11	Packing
12	Yoke
13	Screw
14	Packing Nut
15	Yoke Nut
16	Centering Nut
17	Oil Nipple
18	Handwheel
19	Handwheel Nut

Material Specification

Parts	Main Materials	Optional Materials
Body	Ductile Iron	Carbon Steel
Bonnet - Yoke		Stainless Steel
Wedge		Nickle Aluminum Bronze
Stem	X20Cr13	SS 304, SS 316, NAB
Nuts	Bronze	Brass, SS304, SS 316, NAB
Rings	Bronze	Brass, SS304, SS 316, NAB
Seals	EPDM	NBR
Fasteners	8:8 (Galv.)	SS 304, SS 316
Handwheel	Cast Iron	Ductile Iron



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Benefits of Rising Stem Gate Valves

Clear Positioning: The ascending stem offers an unmistakable visual cue of the valve's status, crucial for operational effectiveness and safety.

Simplified Upkeep: The use of a rising stem gate valve simplifies the process of accessing the stem and packing, facilitating faster maintenance and minimizing operational interruptions.

Reduced Wear: The elevation of the stem lessens its friction with the gate, minimizing the degradation of valve parts, thereby enhancing its longevity.

Installation Instructions

1. Equipment compatibility assessment:

Ensure that the valve's specified parameters coincide with the equipment's specifications. It is pivotal that the valve's rated flow aligns with the actual system's demand.

2. Installer expertise:

The installation should be performed by a technician who is either suitably trained or has sufficient experience to carry out the process correctly and safely.

3. Post-installation inspection:

After the installation, a comprehensive check is necessary to detect and correct any potential errors, ensuring the valve is properly integrated into the system.

4. Pre-installation cleaning:

Prior to the installation, a thorough cleaning of the pipe and valve is required. A chemical reagent can be used, if needed, to guarantee the absence of rust or dirt. Before initiating the cleaning process, all filters must be detached to ensure smooth flow within the pipe.

5. System flush and temporary valve placement:

At the start of the system cleaning, the valve should be installed on a substitute pipe. After the cleaning process concludes, the valve should be relocated and affixed to the system's main pipe.

6. Fluid medium constraints:

This product is not suitable for usage when the fluid medium possesses a high viscosity, such as in the presence of excessive grease or mineral oil, or under corrosive conditions.



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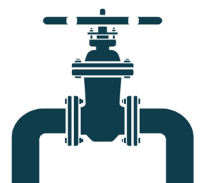
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7. Standardized connection equipment: The valve should be connected using a flange and corresponding bolts that meet established industry standards. This ensures a reliable, safe, and efficient connection for the valve.

Inception and Reliability of Rising Stem Gate Valves:

Our journey began with the manufacture of Rising Stem Gate Valves, which have a proven design employed in multiple sectors like water distribution systems, marine industry, HVAC networks, fire protection, industrial cooling, and main transmission lines worldwide. Particularly for high-pressure and large-scale operations, these valves continue to be a favored choice. With specifications reaching up to PN63 in F5 face-to-face design and DN1200 in F5 & BS face-to-face design, these valves are dependable for critical isolation roles.

Superior Sealing and Customization:

Rising Stem Gate Valves feature dual body and wedge rings, enabling a tight seal. The seal is achieved when these rings align, although this metal-to-metal sealing requires high expertise and quality. Our proficiency in ensuring tight sealing relies on top-notch design, material, machining, and ring installation. The rings can be installed using press-fitting, threading, or welding processes depending on the valve's size, pressure rating, and application. We offer a range of ring materials including brass, bronze, nickel aluminum bronze, and stainless steel 304 and 316 to cater to diverse needs.

Unique Design and Functionality of Gate Valves:

Our Gate Valves are designed with a unique rotating, rising, rolled, mono-block stem that translates the handwheel's rotation to the wedge. The stem revolves within the yoke nut, which is threaded to the bonnet, securing the stem against axial movement. The wedge is guided in a precast groove in the body for smooth water flow when the valve is open. The valve body and the wedge contain a sealing seat that ensures a tight seal when closed. The yoke design facilitates the rising feature of the valve, causing the stem to move in tandem with the wedge, thus enabling wedge position indication.

Notes:

1. Different flange drillings are available, including ISO, EN, ANSI, and others.
2. The standard operating temperature range is -10°C to +80°C.
3. All RAL Colors are available.
4. Potable water certified coating is available.
5. Both thermoset and thermoplastic coatings are available.



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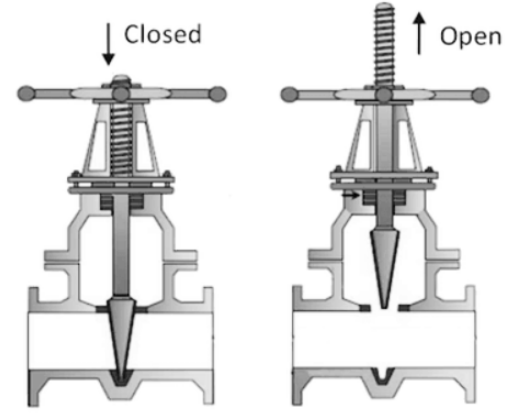
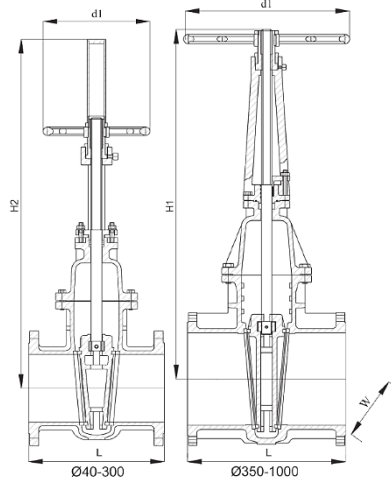


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DIMENSIONS (mm)

DN	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000
D1	200	200	200	200	250	250	250	315	400	600	600	600	600	600	600	600	800	800	800
Height 1	375	375	425	450	495	605	655	800	925	1075	1322	1425	1600	1775	2250	2450	2800	3150	3500
Height 2	465	465	540	560	626	790	840	1030	1195	1395	1680	1840	2150	2375	2850	3150	3600	4050	4500
Width	200	200	200	200	250	250	285	400	410	505	566	640	770	805	895	1030	1100	1200	1400
Length	240	250	270	280	300	325	250	400	450	500	550	600	650	700	800	430	470	510	550
Weight (kg)	15	20	26	32	36	55	65	117	210	245	355	528	640	840	1300	940	1370	1600	1900



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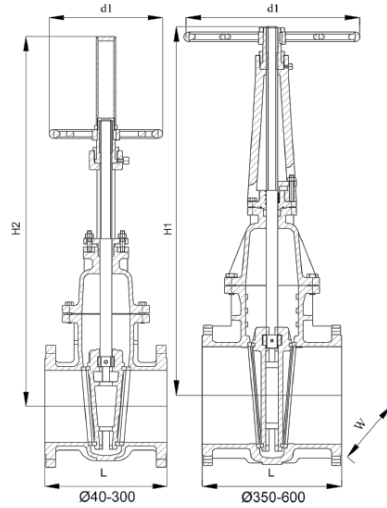
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Description: The Rising Stem Gate Valve is a particular variety of gate valve where the stem's upward and downward motion correlates with the valve's open and closed states. It allows electronic tracking of this movement with the integration of a monitoring key. Additionally, when in a fully open position, it does not impede the fluid flow.



Application:

Rising Stem Gate Valves are used for isolation purposes and provide drip tight sealing once they are closed. When open, they provide undisturbed water flow. Due to its Rising Stem feature, operator can see the wedge position of the valve easily. Gate Valves are not suitable for regulation purposes.

Features:

Efficient Stem Design: The valve incorporates a rolled stem design, enabling low operating torque values for smooth operation.

Versatile Ring Construction: We offer various alternatives for ring assembly, including pressed-in, threaded, or welded rings.

Accessory Options: Upon request, we can equip the valve with gearbox and actuator accessories to meet specific requirements.

Customizable Wedge Guide: For certain sizes, we provide an optional wedge guide as per customer request to enhance valve operation.

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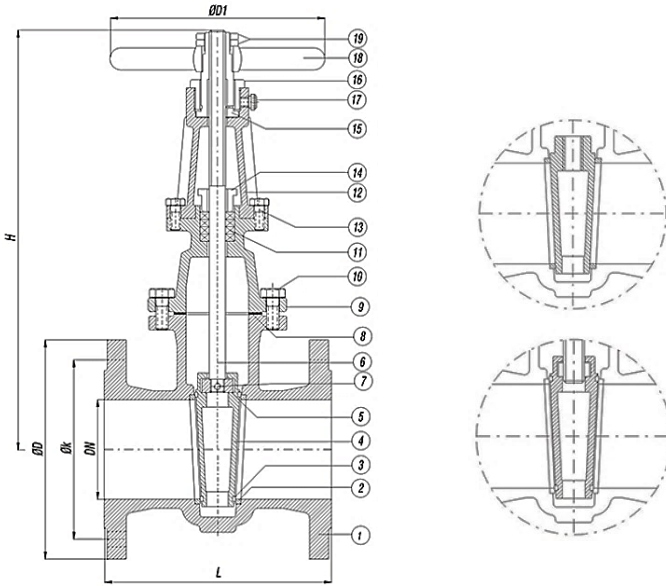
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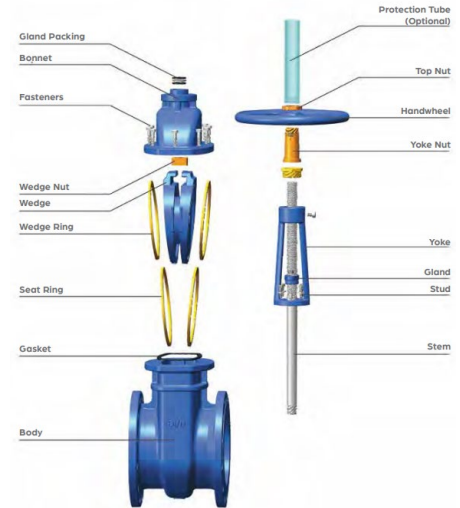
Construction



PART NO.	PART
1	Body
2	Body Seat
3	Wedge
4	Wedge Seat
5	Wedge Nut
6	Stem
7	Pin
8	Gasket
9	Bonnet
10	Screw
11	Packing
12	Yoke
13	Screw
14	Packing Nut
15	Yoke Nut
16	Centering Nut
17	Oil Nipple
18	Handwheel
19	Handwheel Nut

Material Specification

Parts	Main Materials	Optional Materials
Body	Ductile Iron	Carbon Steel
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Handwheel	Cast Iron	Ductile Iron



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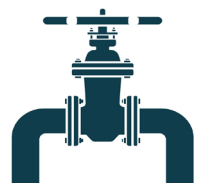
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5. System flush and temporary valve placement:

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6. Fluid medium constraints:

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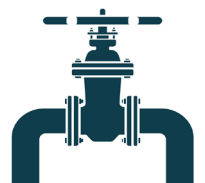
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7. Standardized connection equipment: The valve should be connected using a flange and corresponding bolts that meet established industry standards. This ensures a reliable, safe, and efficient connection for the valve.

Inception and Reliability of Rising Stem Gate Valves:

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Notes:

1. Different flange drillings are available, including ISO, EN, ANSI, and others.
2. The standard operating temperature range is -10°C to +80°C.
3. All RAL Colors are available.
4. Potable water certified coating is available.
5. Both thermoset and thermoplastic coatings are available.



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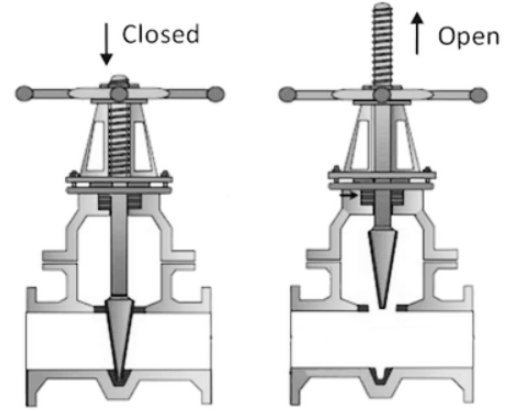
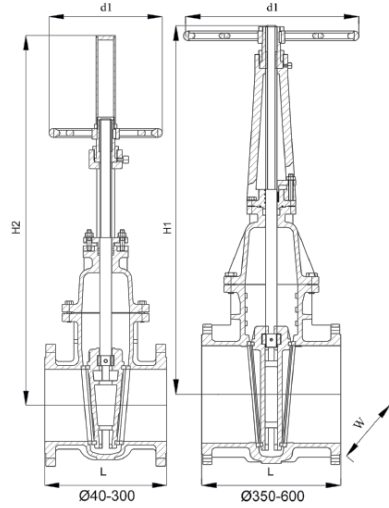
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CORVALVE

GATE VALVES

EN 558-1 SERIES 3 (BS 5163) RISING STEM



DIMENSIONS (mm)

DN	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
D1	200	200	200	200	250	250	250	315	400	600	600	600	600	600	600
Height 1	375	375	425	450	495	605	655	800	925	1072	1322	1425	1600	1775	2250
Height 2	465	465	540	560	626	790	840	1030	1195	1395	1680	1840	2150	2375	2850
Width	200	200	200	200	250	250	285	400	410	505	566	640	770	730	895
Length	165	178	190	203	229	254	267	292	330	356	381	406	432	457	508
Weight (kg)	14	19	25	31	34	53	61	112	150	240	345	505	525	755	1200



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