A2111E – SOFT WEDGE GATE VALVE – PN10/16, DIN3352-F4

ISO 9001

WRAS Water Regulations Advisory Scheme

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Properties

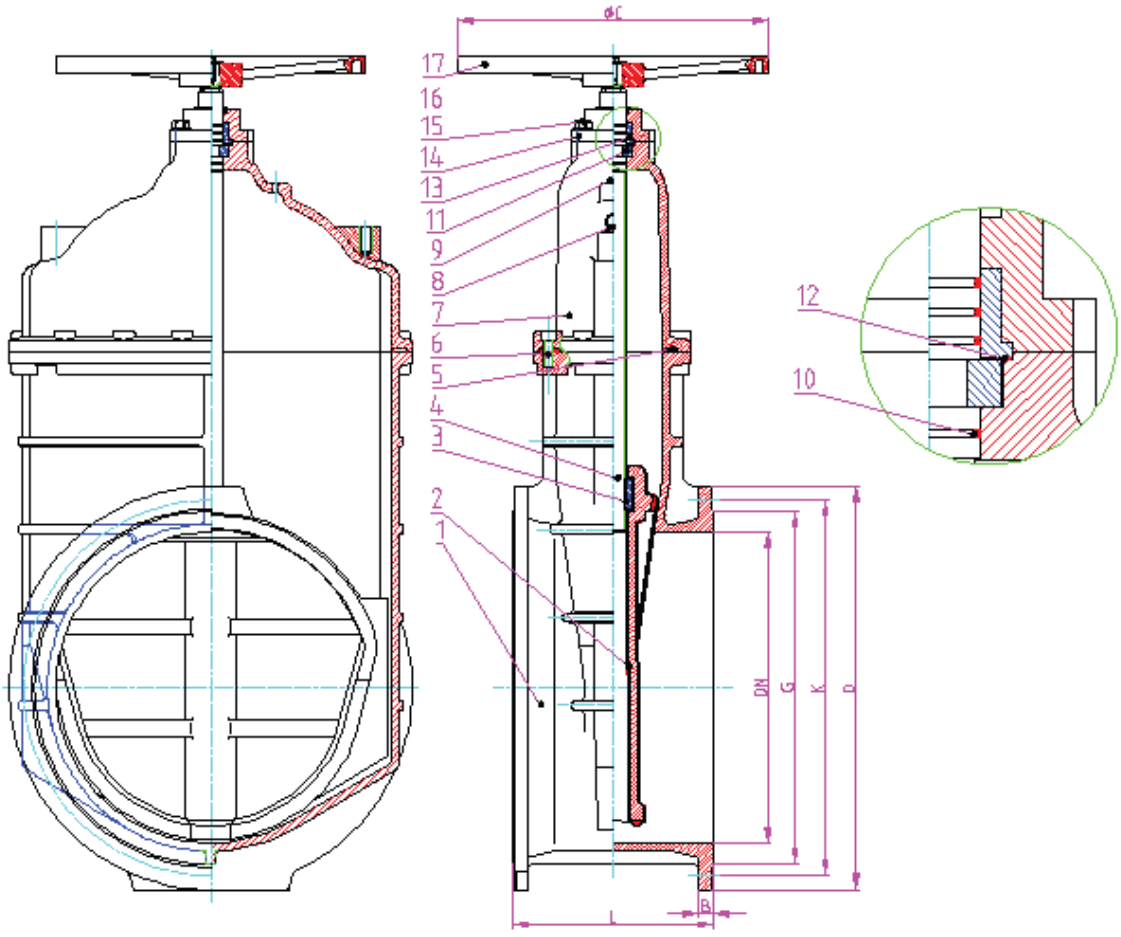
- Size: DN40 – DN300
- Connection: PN10/16 (PN10 from DN200)
- Temperature range: - 10°C - +110°C (EPDM wedge)
- Max. pressure: 16 bars
- Non-rising stem. Closing direction is clockwise. Full-bore execution.
- EN GJS 400-15 body
- Epoxy coating RAL5005
- 3 EPDM O-ring on stem
- Rubber protection cap
- GGG40/EPDM wedge
- Stainless steel stem

Application field

- Drinking water, technological water

Certifications

- Hungarian Hygenic Certification no.: KEF-5351-2/2016.



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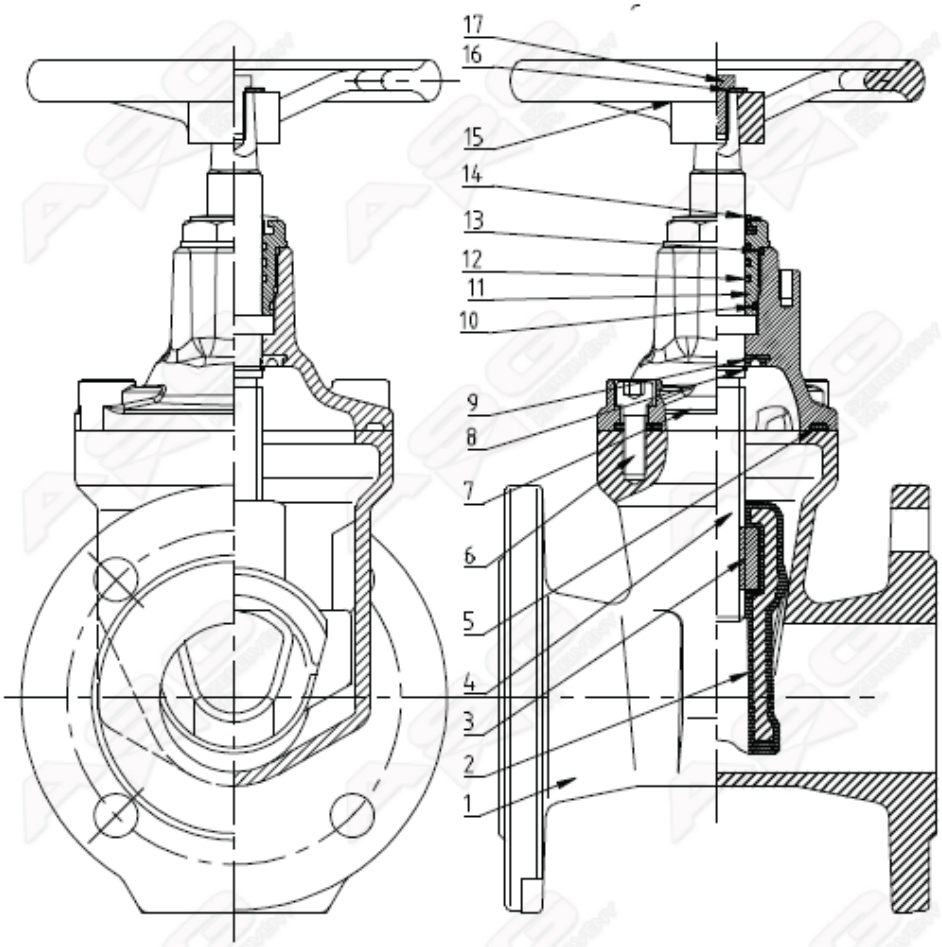
Materials:



No.	Description	Material
1	Body	EN-GJS-400-15
2	Disc	EN-GJS-400-15/EPDM
3	Disc nut	Copper – CuZn40Pb2
4	Stem	Stainless steel – X20Cr13
5	Gasket	EPDM
6	Bonnet bolt	Steel – ST37-2
7	Bonnet	EN-GJS-400-15
8	Circlip ring	Steel – C40E080M40
9	Seal ring	EPDM
10	„O” ring	EPDM
11	Brass nut	Copper – CuZn40Pb2
12	„O” ring	EPDM
13	„O” ring	EPDM
14	Dust ring	EPDM
15	Handwheel	Steel – ST37-2
16	Washer	Stainless steel – X20Cr13
17	Locking bolt	Stainless steel – X20Cr13

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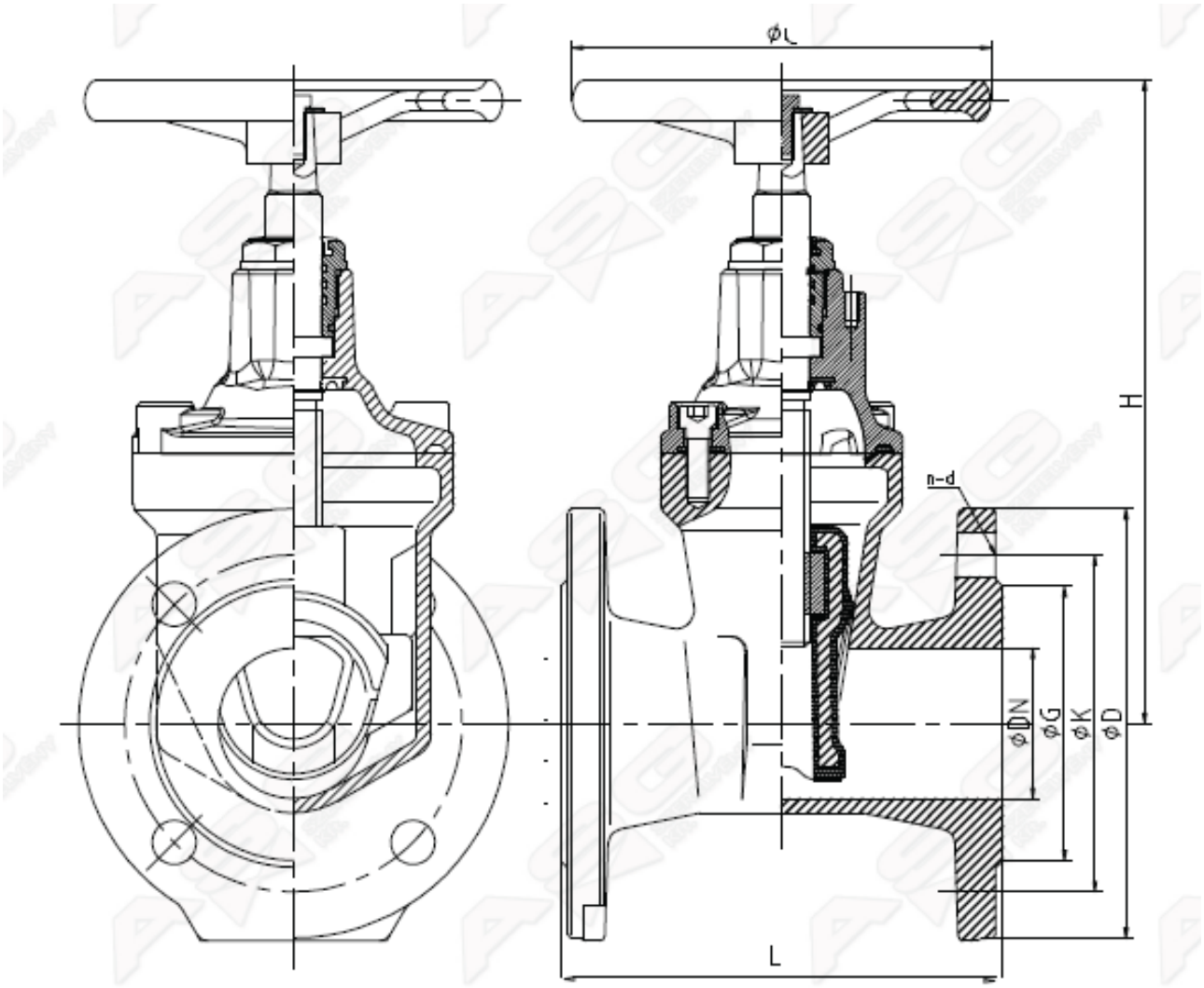
Sizes:



DN	L	H	D	K	G	C	n-d	B	f	S
40	140	248,5	153	110	86	160	4-19	17	3	12
50	150	248,5	165	125	99	180	4-19	19	3	14
65	170	274	185	145	118	180	4-19	19	3	14
80	180	301,5	200	160	132	200	8-19	19	3	15
100	190	332	220	180	156	250	8-19	19	3	15
125	200	377,5	250	210	184	280	8-19	19	3	19
150	210	415	285	240	211	280	8-23	19	3	19
200	230	516	340	295	266	340	8-23	20	3	19
250	250	608	405	350	319	340	12-23	22	3	24
300	270	685	460	400	370	400	12-23	24,5	4	27

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Instructions and maintenance manual

General instructions:

- Before the tests and starting of the installation, clean the pipes. It is essential to eliminate all the particles and various objects in the pipes (particularly welding residues which could damage the valve seat.)
- Before assembling, take care that the gasket seats are perfectly clean, free from stripes prejudicial to good tightness.
- Check piping alignment. Do not rely on the valves to correct bad alignment: there is a risk of leakage and operating defect, or even breaking.
- Avoid water hammers, it can generate an extreme rise in pressure, and can cause considerable damage. The causes of the water hammer varies greatly, but generally it's caused by the starting of pump and the sudden closing of valve.
- Handle the valves with precaution: sling valves by the body, do not hang at the handwheel or actuator. Take care of the coating and protections. Avoid shocks and friction, which can damage the coating, giving way to corrosion.
- Support the valves if necessary. In some cases (valves of large length, heavy actuator) it can be essential to provide support, which will help to avoid tensions prejudicial with the operating, risking the fast deterioration of the stem and of the tightness.
- Respect the tightening torques. Applying higher tigthening torque than needed can create markings on the seats and premature wears.
- Store the equipment in good conditions. Protect the stored valves from:
    - humidity and rain to avoid corrosion
    - wind and sand to avoid the abrasion of solid particles
    - sunshine and heat as they damage the coatings

  Valves with rubber seat must always be stored half-opened.

Installation

- The valves falling under the present Technical Specification can installed in underground and above-ground pipeline (horizontal and vertical).
- Gate valves shall be installed in such a way that they are not subject to shearing forces in the pipeline.
- When installed in an underground pipeline it is recommended that gate valve rests on a concrete foundation, this applies especially to gate valves of bigger sizes.
- When installed in above ground pipelines, gate valve should rest on a support or concrete foundation.
- Prior to installation, it is recommended to wrap valve body with wide insulating tape to provide better protection against corrosive properties of the surrounding soil.
- All sealing caps must be removed prior to installation. Valve must be carefully inspected for any debris or dirt in its parts, and if necessary, rinsed with water
- Caution: All pollutions and sharps objects in on the surface of the wedge or valve cavity can cause loss of tightness or irreversible damage to sealing surfaces.
- During priming, gate valve must be fully open. Air must be vacated from gate valve before normal operation. In order to vacate air, stem sleeve must be loosened until small leak develops. When this occurs the sleeve must be tightened.

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