



Manufacturer of shut-off and control valves

TECHNICAL DATA SHEET

**Wedge gate valve ELEPHANT GVWR3131M-2W-T-S
DN15-65 16 bar stainless steel, threaded, with hand wheel**



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1. GENERAL PRODUCT INFORMATION

1.1. Product name: Wedge gate valve ELEPHANT GVWR3131M-2W-T-S DN15-65 16 bar stainless steel, threaded, with hand wheel.

1.2. Purpose: The wedge gate valve is designed for installation on the pipeline as a shut-off device in water supply systems and chemical industry.

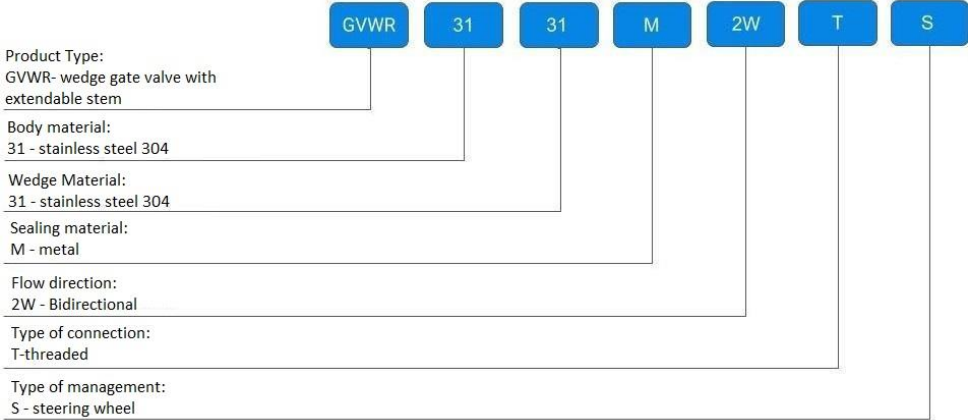
1.3. Operating principle: Wedge connected to the spindle is lowered or raised depending on the direction of rotation of the handwheel or shaft of the electric drive, gearbox, closing or opening the passage section of the gate valve body.



** the image may differ from the original*



1.4. Deciphering of the designation:



2. BASIC TECHNICAL DATA AND CHARACTERISTICS

Table 1

Nominal diameter DN, mm	15 - 65
Nominal pressure, bar	16
Working medium temperature t, °C	-29 to +180
Working medium	water, compressed air, non-aggressive liquids and gases
Flow direction	double-sided
Control type	helm
Tightness class according to GOST 9544-2015	D
Pipeline connection	threaded
Body material	stainless steel AISI 304
Wedge material	stainless steel AISI 304
Application areas	heating and water supply systems; industrial pipelines
Average service life, years	5
Average life, closing/opening cycles	100 000 (at non-aggressive environment and average pressure and temperature values)



3. BASIC MATERIALS

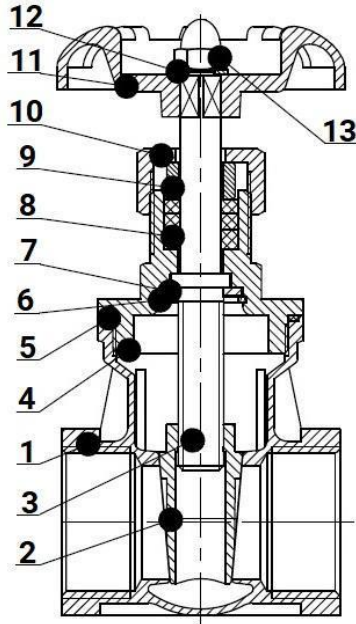


Table 2

Nº	Part name	Material
1	Body	stainless steel 304
2	Wedge	stainless steel 304
3	Stem	stainless steel 304
4	Cover	stainless steel 304
5	O-ring seal	PTFE
6	Stem holder	stainless steel 304
7	Gasket	stainless steel 304
8	Stem seal	PTFE
9	Pressure ring	stainless steel 304
10	Nut	stainless steel 304
11	Hand wheel	stainless steel 201
12	Spring washer	stainless steel 304
13	Nut	steel A 194 8



4. WEIGHT AND DIMENSIONAL PARAMETERS

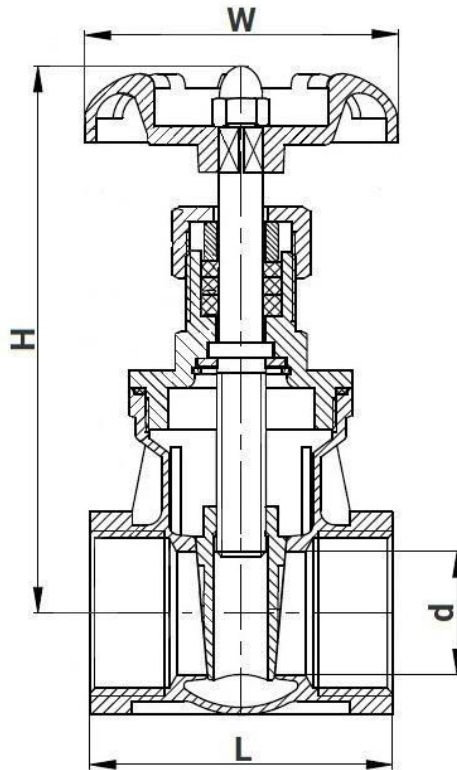


Table 3

	L, mm	d, mm	H, mm	W, mm	Weight, kg
DN15	50	14	96	70	0,35
DN20	60	20	102	70	0,45
DN25	65	24	114	70	0,55
DN32	75	30	132	70	0,78
DN50	95	47	170	97	1,58
DN65	103	63	200	97	3,4



5. INSTALLATION AND OPERATING INSTRUCTIONS

5.1. To installation, operation and maintenance of gate valves are allowed personnel who have studied the device of the gate valve, safety rules, requirements of the manual for installation, adjustment, operation and maintenance, certified for the relevant type of work.

5.2. Gate valves should be installed on pipelines for media and parameters specified in the product passport.

5.3 Before installation it is necessary to remove the plugs and make the gate valve preservation with a clean rag moistened with white spirit, gasoline or other, blow out the inner surface with clean air (in accordance with the order established at the enterprise). The pipeline should be thoroughly cleaned of dirt, sand, scale, etc.

5.4. Mounting of the gate valve should be performed only in the “open” position.

5.5. For ease of maintenance and inspection, as well as to ensure the best possible flushing of dirt from under the wedge of the gate valve when closing - should be installed in the following working positions:

- Vertical - on horizontal and inclined pipes;
- Horizontal - only on vertical pipes.

5.6. It is not allowed to use the gate valve on pipelines subject to vibration.

5.7. Before starting up the system with installed gate valves immediately after installation, all gate valves must be opened and the pipelines must be flushed.

5.8. Tightness tests should be carried out in accordance with the procedure established at the enterprise.

5.9. During operation it is necessary to carry out periodic inspections (routine work) within the terms established by the operating organization, depending on the operating modes of the system.

5.10. During inspection check: general condition of the gate valve; threaded part of the spindle, which should be lubricated; condition of bolted connections; tightness of gasket connection and gland seal.

5.11. To ensure labor safety it is strictly forbidden to perform works on defects elimination in the presence of working medium pressure in the pipeline.

5.12. It is not allowed to use wrenches larger in size than it is required for fasteners.

5.13. **ATTENTION:** It is not allowed to use the gate valve as a regulating (throttling) device during operation and commissioning. Operating position of the gate valve - fully “open” or fully “closed” .



6. TRANSPORTATION AND STORAGE CONDITIONS

6.1. Transportation and storage conditions - in accordance with the procedure established at the enterprise.

6.2. Gate valves are transported in containers in accordance with the procedure established at the enterprise and secured against possible movements with the wedge lowered to the stop.

6.3. It is allowed to transport without packing if there are no shock loads.

6.4. Mechanical damage and contamination of internal surfaces of gate valves during transportation is not allowed.

6.5. Gate valves should be stored in dry warehouses, protected from direct sunlight and removed at least 1 m. from heat-emitting devices, as well as not exposed to oil, gasoline.

6.6. Gate valves in long-term storage are subject to periodic inspection at least once a year. In case of violation of preservation, perform preservation again. Apply preservation lubricant on degreased clean and dry surface of parts. Degreasing should be performed with a clean rag soaked in gasoline.

7. UTILIZATION

7.1. The product is disposed of in accordance with the procedure established at the enterprise (remelting, burial, resale).

7.2. Before sending the valve for utilization, the residues of the working medium shall be removed from the valve. Methods of removal of the working medium and decontamination of the valve must be approved in accordance with the established procedure at the enterprise operating the valve.



8. WARRANTY OBLIGATIONS

8.1. Warranty period - 12 months from the date of commissioning, but not more than 18 months from the date of sale.

8.2. The warranty applies to equipment installed and used in accordance with the installation instructions and product specifications described in this data sheet.

8.3. The manufacturer guarantees compliance of the product with safety requirements, provided that the consumer complies with the rules of transport, storage, installation and operation.

8.4. The warranty covers all defects caused by the fault of the manufacturer.

8.5. The warranty does not apply:

- parts and materials of the product subject to wear and tear;
- for cases of damage caused by:
 - modifications to the original design of the product;
 - violation of general installation recommendations;
 - faults caused by improper maintenance and storage; improper operation and use of the equipment.

9. WARRANTY TERMS

9.1. Claims to the quality of the goods may be made during the warranty period.

9.2. Defective products are repaired or exchanged for new ones free of charge during the warranty period. ELEPHANT decides whether to replace or repair the product. The replaced product or its parts resulting from the repair shall become the property of 'ELEPHANT'.

9.3. Costs related to dismantling, installation and transport of the defective product during the warranty period shall not be reimbursed to the Buyer.

9.4. If the claim is unfounded, the Buyer shall pay the costs of diagnostics and expertise of the product.

9.5. Products are accepted for warranty repair (as well as for return) fully assembled.



WARRANTY CARD № _____

№	Product Name	Packs

Name and address of the trading organisation _____

Date of sale _____ Seller's signature _____

Stamp or seal of the trading organisation _____ Acceptance stamp _____

I agree with the terms and conditions of the warranty:

Buyer _____ (signature)

Warranty period - 12 months from the date of commissioning, but not more than 18 months from the date of sale.

For warranty repairs, complaints and product quality claims, please contact ELEPHANT at: Carrer d'Aragó,264,3-1,08007 Barcelona, Spain. E-mail address: sales@valveelephant.com.

When making a complaint about the quality of goods, the buyer shall present the following documents:

1. A free-form application, which shall specify:
 - name of the organisation or full name of the buyer, actual address, contact telephone numbers;
 - name and address of the organisation that carried out the installation;
 - basic parameters of the system in which the product was used;
 - a brief description of the defect.
2. Document confirming the purchase of the product (delivery note, receipt)..
3. Act of hydraulic test of the system in which the product was installed.
4. This completed warranty card.

A note on the return or exchange of goods _____

Date: « ___ » _____ 202__ yr. Caption _____

