TECHNICAL DATA SHEET

Gland stop valve
Elephant VSO3434M-F-S DN15-200 40 bar
carbon steel, flanged

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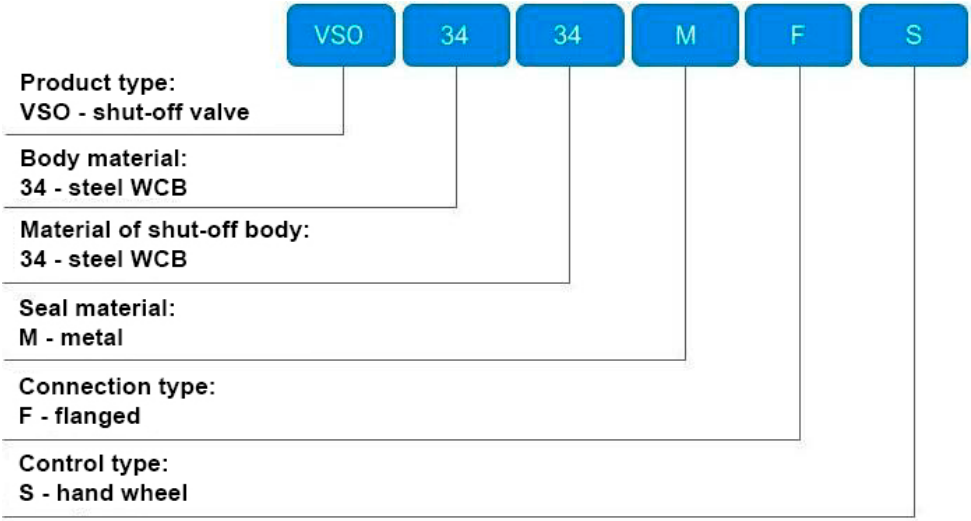
Carrer d'Aragó,264,3-1,08007 Barcelona, Spain

1. GENERAL PRODUCT INFORMATION

1.1 Product name: Gland stop valve Elephant VSO3434M-F-S DN15-200 40 bar carbon steel, flanged.
1.2 Purpose: The shut-off valve is designed for complete shut-off of the working medium flow in the pipeline.
1.3. Operating principle. When turning the hand wheel clockwise or counterclockwise, the rotary motion is transferred to the spindle, and the disk fixed on it closes or opens the passage hole in the body.

**Image may differ from the original*

1.4. Deciphering the designation:



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2. MAIN TECHNICAL DATA AND CHARACTERISTICS

Table 1

Nominal diameter DN, mm	15 - 200
Nominal pressure, bar	40
Working medium temperature t, ºC	from -40 to +425
Working medium	water, steam, gas, petroleum products
Direction of medium supply	arrow on the valve body
Control method	hand wheel
Connection to pipeline	flanged
Body material	steel WCB
Disk material	steel WCB
Areas of application	heating and water supply systems, industrial pipelines.
Average life, closing/opening cycles	6 000
Average service life, years	5

3. BASIC PART MATERIALS

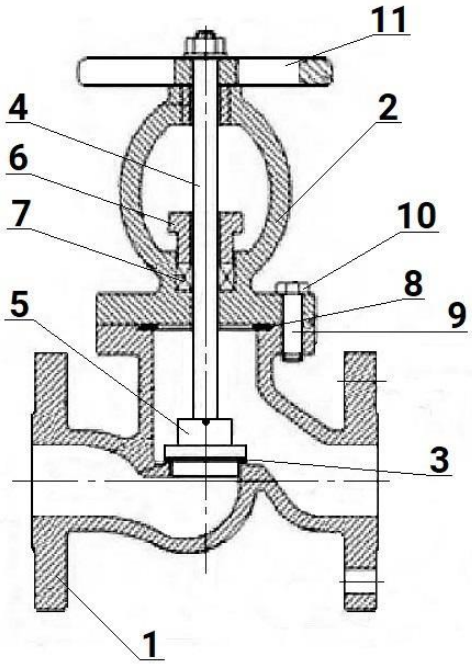

Table 2

№	Part name	Material
1	Body	steel WCB
2	Cover	steel WCB
3	Locking element	stainless steel
4	Stem	steel
5	Disk	steel WCB
6	Sleeve	cast iron QT450
7	Gland	graphite
8	Gasket	asbestos
9	Bolt	steel A3
10	Nut	steel A3
11	Handwheel	steel Q235

4. WEIGHT AND DIMENSIONAL PARAMETERS

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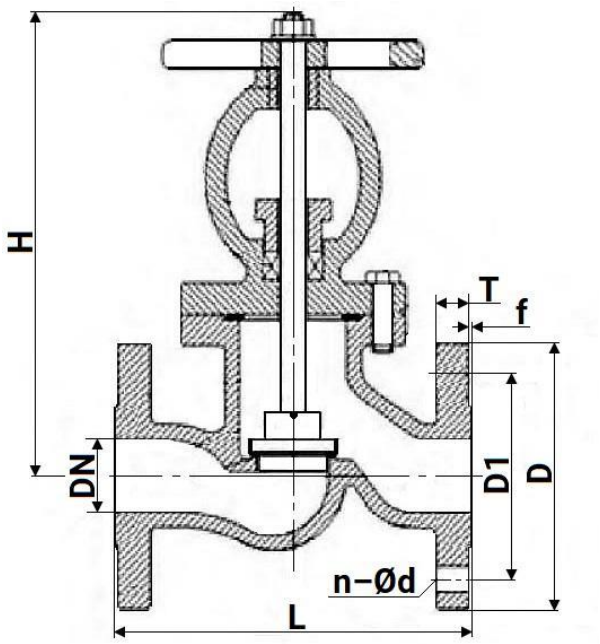

Table 3

DN	L, mm	D1, mm	D, mm	H, mm	T, mm	f, mm	n – Ød	Weight, kg
15	130	65	90	195	16	2	4 – Ø14	3,75
20	150	75	96	200	16,5	2	4 – Ø14	4,2
25	160	85	110	210	16,5	2	4 – Ø14	5,1
32	180	100	132	234	18,5	2	4 – Ø18	7,3
40	200	110	141	255	20	2	4 – Ø18	9,6
50	230	125	155	290	20	2	4 – Ø18	12
65	290	145	180	330	22	2	8 – Ø18	19
80	310	160	195	352	24	2	8 – Ø18	24
100	350	190	228	390	25	2	8 – Ø22	32,5
125	400	220	270	440	27	2,5	8 – Ø26	50
150	480	250	300	550	29	2,5	8 – Ø26	67
200	600	320	375	562	32	2,5	12 – Ø30	105

5. INSTALLATION AND OPERATING INSTRUCTIONS

5.1 Safety during operation of shut-off valves (hereinafter referred to as SOV) must be observed in accordance with the procedure established by the company.
5.2 SOV may be installed, operated and serviced by personnel who have studied SOV design, safety rules and requirements of the operation manual.
5.3 SOV are subjected to inspection and testing before installation on the pipeline, it is necessary to pay attention to the condition of the internal cavities of SOV, accessible for visual inspection, to check the ease and smoothness of operation.
5.4 SOV shall be installed in places accessible for inspection and maintenance. Prior to installation, the pipeline should be cleaned of dirt, scale, sand, etc.
5.5 The operating position of the SOV is any position except for the handwheel downward.
5.6 The direction of flow of the working medium must correspond to the arrow marked on the SOV body.
5.7 Before installing the SOV, it is necessary to:

- perform preservation of the gate assembly in accordance with the procedure established at the enterprise (wiping with a rag moistened with low-viscosity oils or solvent, followed by blowing with warm air or wiping dry),
- check ease and smoothness of the spool valve lifting and perform hydraulic test with pressure specified in the technical certificate.

5.8 In the case of SOV that are permanently open or closed during operation, one opening-closing cycle should be performed every six months to prevent the formation of scale and deposits on the stem and sealing surfaces of the SOV.
5.9 **WARNING!** SOV must not be used as control valves.

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6. CONDITIONS OF TRANSPORTATION AND STORAGE

6.1 Transportation and storage conditions are in accordance with the company's internal instructions.
6.2 SOV shall be transported in accordance with the company's procedures and secured against possible movement with the wedge lowered to the stop. SOV may be transported unpacked provided that the manufacturer or supplier ensures that the SOV are securely mounted and fastened to the vehicle and protected from environmental influences
6.3 Mechanical damage and contamination of the internal surfaces of the SOV and the sealing surfaces of the flanges are not permitted during transportation.
6.4 If SOV are supplied with mating flanges, the latter may be removed during transportation and placed together with the fasteners in the same container as the SOV.
6.5 SOV should be stored in dry warehouses, protected from direct sunlight and at least 1 m away from heat-emitting devices, as well as not exposed to oil and gasoline.
6.6 SOV in long-term storage shall be 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 utilized in accordance with the procedure established at the enterprise (remelting, burial, resale).
7.2 Before sending for utilization, residues of the working medium shall be removed from the fitting. Methods of removal of the working medium and decontamination of the valve shall be approved in accordance with the established procedure at the enterprise operating the product.

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.

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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 _____