

## TECHNICAL DATA SHEET

**Pneumatic shut-off valve ELEPHANT  
VSP3232PV-T-1PNC DN15-100 16/25 bar  
stainless steel, threaded, Y-shaped**



## 1. GENERAL PRODUCT INFORMATION

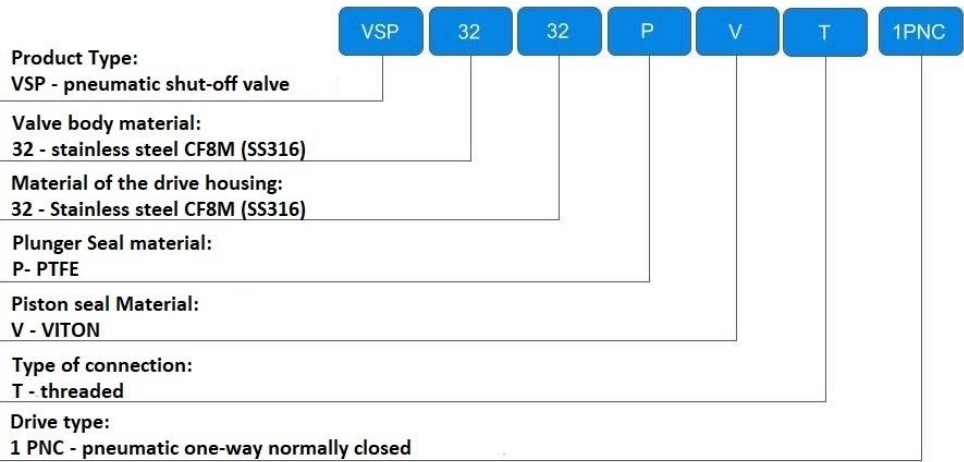
1.1. Product name: Pneumatic shut-off valve ELEPHANT VSP3232PV-T-1PNC DN15-100 16/25 bar stainless steel, threaded, Y-shaped.

1.2. Purpose. The pneumatic shut-off valve is designed for quickly shutting off the flow of working medium in a pipeline, which is especially important in emergency situations or for quickly isolating equipment.

1.3 Principle of operation. Valve actuation occurs due to compressed air pressure supplied to the pneumatic actuator, and return to the initial position - due to the force of elastic deformation of the spring, compressing at valve actuation.



1.4. Deciphering of the designation:



## 2. BASIC TECHNICAL DATA AND CHARACTERISTICS

Table 1

Nominal diameter DN, mm	15 - 100
Nominal pressure PN, bar	DN15-50 – 16 DN65-100 – 25
Working medium temperature t, °C	-40 to +220
Ambient temperature, °C	-10 to +60
Operating medium	water, steam and liquids compatible with the materials of construction of the valve
Direction of medium flow	valve body arrow
Maximum kinematic viscosity of the process medium	600 mm <sup>2</sup> /s
Control characteristic	linear
Design	normally closed
Connection to pipeline	threaded
Control environment	air with filtration degree at least 40 microns
Control medium pressure, bar	3 ÷ 8
Tightness class	VI
Body material	CF8M stainless steel
Areas of application	heating and water supply systems, industrial pipelines.
Average service life, closing/opening cycles	10 000 000



3. BASIC MATERIALS

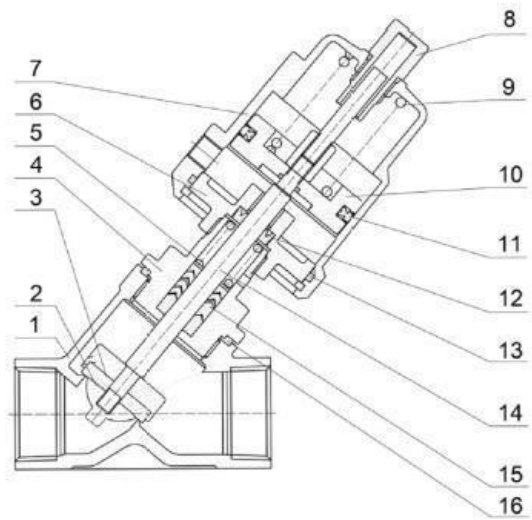


Table 2

Nº	Part name	Material
1	Housing	CF8M steel
2	Plunger	CF8M steel
3	Plug seal	PTFE
4	Valve cover	CF8M steel
5	Spring	60Si2MnA steel
6	Actuator cover	CF8M steel
7	Actuator housing	CF8M steel
8	Indicator cover	plastic
9	Spring	60Si2MnA steel
10	Piston	aluminum alloy AD31
11	Piston seal	VITON
12	V-shaped piston seal	VITON
13	O-ring	NBR
14	Rod	CF8M steel
15	Stem seal	PTFE
16	Valve cover seal	PTFE



#### 4. WEIGHT, DIMENSIONS AND TECHNICAL PARAMETERS

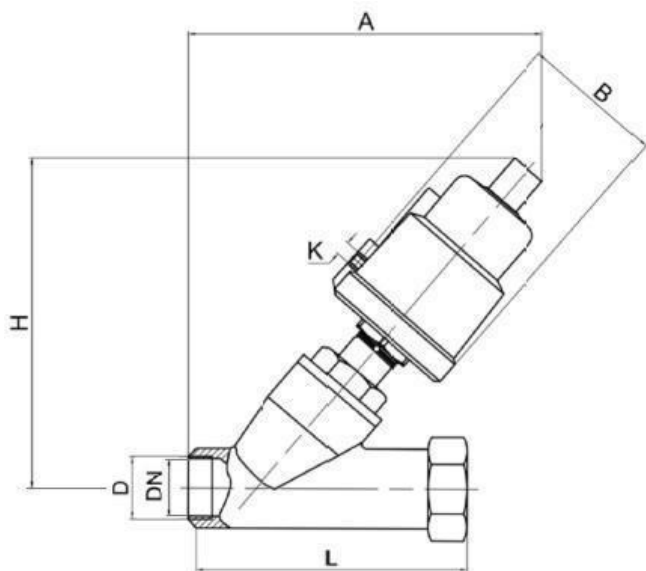


Table 3

	L, mm	D, mm	A, mm	H, mm	B, mm	Weight, kg
DN15	68	G 1/2"	136	135	62	1,2
DN20	75	G 3/4"	144	139	62	1,4
DN25	90	G 1"	168	167	76	2,3
DN32	115	G 1 1/4"	190	180	76	3,5
DN40	115	G 1 1/2"	193	181	96	4,0
DN50	135	G 2"	290	246	117	6,5
DN65	185	G 2 1/2"	325	263	117	8,9
DN80	210	G 3"	360	295	163	15,0
DN100	232	G 4"	401	384	185	23,0



Table 4

	K	Drive, mm	Maximum pressure drop across the valve $\Delta p_{\max}$ , bar	Kvs, m <sup>3</sup> /h
DN15	G 1/8"	Ø50	16	4,2
DN20		Ø50	16	8,5
DN25		Ø50	16	18
DN32		Ø63	16	27
DN40		Ø63	16	38
DN50	G 1/4"	Ø63	16	55
DN65		Ø80	25	90
DN80		Ø100	25	110
DN100		Ø100	25	125

## 5. INSTALLATION AND OPERATING INSTRUCTIONS

5.1. Safety precautions during installation and operation of pneumatic valves must be observed in accordance with the procedure established by the company.

5.2 The installation, operation and maintenance of valves shall be allowed to personnel who have studied the valve design, safety rules and requirements of the operating manual.

5.3 Before installation, valves are subjected to inspection and testing, paying attention to the condition of internal cavities of valves, accessible for visual inspection.

5.4 The valve is installed on the pipeline so that the arrow on its body coincides with the direction of medium flow. Mounting position - any.

5.5 After installation of the valve, all connections should be checked for tightness.

5.6 During operation periodic inspections and technical inspections should be performed within the terms established by the rules of the organization operating the pipeline.



## **6. TRANSPORTATION AND STORAGE CONDITIONS**

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

6.2 Mechanical damage and contamination of internal surfaces of valves during transportation are not allowed.

6.3 Valves 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, gasoline.

6.4 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 utilized in accordance with the procedure established at the enterprise (remelting, burial, resale).

7.2 Before the valve is sent 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 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.



## WARRANTY CARD №\_\_\_\_\_

№	Product Name	Packs

Name and address of the trading organisation

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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 \_\_\_\_\_

