



Manufacturer of shut-off and control valves

TECHNICAL DATA SHEET

**Butterfly valve Elephant
WBVx32V-2W-Fb-H DN50-300 16 bar
stainless/carbon steel, interflanged, with handle**



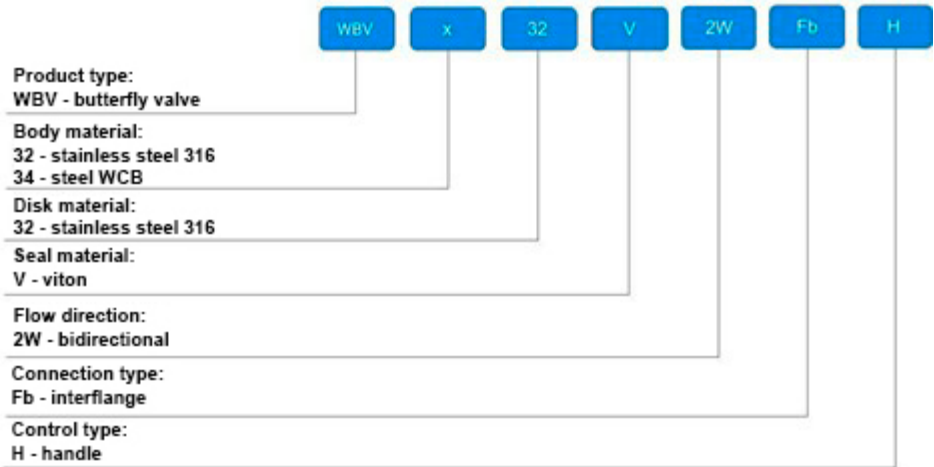
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1. GENERAL INFORMATION ABOUT THE PRODUCT

- 1.1. Product name: Butterfly valve Elephant WBVx32V-2W-Fb-H DN50-300 16 bar stainless/carbon steel, interflanged, with handle.
- 1.2. Purpose: The butterfly valve is designed for use as a shut-off or regulating valve for controlling flows in heat supply systems, water supply systems, in technological processes of food, chemical, oil and gas, pulp and paper and other industries.



1.3. Deciphering the designation:



MAIN TECHNICAL DATA AND CHARACTERISTICS

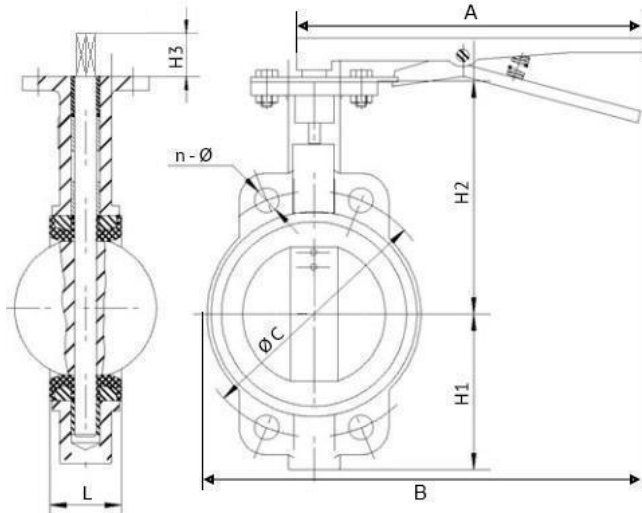
Nominal diameter DN, mm	50 - 300
Nominal pressure, bar	16
Flow direction	double-sided
Working medium temperature t, °C	from -20 to +200
Working medium	mineral and vegetable oils, animal fats, greases and fuels, hot air
Body material	stainless steel AISI 316L or steel WCB
Disk material	stainless steel AISI 316L
Connection to pipeline	interflanged
Control type	handle

MATERIAL INFORMATION FOR THE MAIN PARTS

№	Name	Material	№	Name	Material
1	Body	stainless steel AISI 316L or steel WCB	6	Bushing	PTFE
2	Cuff	VITON	7	Sealing ring	NBR nitrile
3, 4, 5	Disc, Stem, Pin	stainless steel AISI 316L	8, 9	Plate, Handle	carbon steel



MAIN DIMENSIONS OF VALVES



DN	H1	H2	H3	L	S	K	C	A	B	n - Ø	Stem	ISO 5211	Weight kg
	mm												
50	76	162	32	45	9	50	125	240	270	4 - Ø18	9x9	F05	2
65	89	175	32	48	9	50	145	240	270	4 - Ø18	9x9	F05	2.3
80	95	181	32	49	9	50	160	240	270	4 - Ø18	9x9	F05	2.6
100	114	200	32	55	11	50	180	280	350	4 - Ø18	11x11	F05	4.1
125	127	213	32	58	14	70	210	280	350	4 - Ø18	14x14	F07	5.2
150	140	225	32	59	14	70	240	280	350	8 - Ø23	14x14	F07	6.6
200	177	260	36	64	17	102	295	390	480	12 - Ø23	17x17	F10	11.5
250	203	292	36	70	22	102	355	390	480	12 - Ø27	22x22	F10	17.3
300	242	337	36	80	22	125	410	530	680	12 - Ø27	22x22	F12	27.8



MAXIMUM TORQUES

DN	50	65	80	100	125	150	200	250	300
Torque at $\Delta P=16$ bar, Nm	23	29	39	59	84	86	220	350	420

INSTALLATION AND OPERATION

1. Clean (blow out) pipelines from dirt, sand, scale before installation.
2. Installation of butterfly valves should be performed only between collar flanges.
3. The inside diameter of the flanges should correspond to the nominal diameter of the disk butterfly valve.
4. The flanges shall be placed plane-parallel to each other at a distance that allows the gate to be placed freely (without excessive force) between them. The sealing surfaces of the flanges shall be free of nicks, dents, burrs, and other surface defects.
5. Before beginning installation, the butterfly valve disk must be opened slightly, but so that the disk does not protrude beyond the butterfly valve body.
6. Center the butterfly valve and lightly tighten the bolts (studs), but do not tighten them. Open the butterfly valve disk to the “fully open” position.
7. Tighten the bolts (studs) so that the flanges and the body (metal part) of the gate are in contact. The flange connections should be tightened evenly in three or even four passes, in a “crosswise” sequence.
8. Bolt tightening on inter-flange connections should be uniform throughout. Slowly close and open the butterfly valve. If the gate has been installed correctly, the gate should open and close freely.
9. Types, amounts, and frequency of maintenance.
10. During operation it is necessary to perform periodic inspections (routine maintenance) within the terms established by the schedule, depending on the mode of operation of the system (unit), but at least once a month.
11. During inspections it is necessary to check:
 - a) general condition of the gate;
 - b) condition of fastening connections;
 - c) tightness of joints in relation to the external environment;
 - d) operability and ability of the gate to fulfill its functions.
12. To ensure a long service life of the gate, it is necessary to periodically open and close the gate fully or partially during a long idle period of more than three months.
13. Inspections and tests shall be performed by personnel operating the system or unit who have the necessary competence and qualifications.



WARRANTY PERIOD

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

The warranty does not apply:

- parts and materials of the product subject to wear and tear
- for cases of damage caused by:
 - violations of the product storage, installation, testing, operation and maintenance specifications;
 - improper transportation and handling operations;
 - the presence of traces of exposure to substances aggressive to the product materials;
 - presence of damage caused by fire, elements, force majeure circumstances;
 - damage caused by incorrect actions of the consumer;
 - traces of tampering with the design of the product.

SALES MARK

Nº	Product Name	Packs

Date of sale: _____

L.S.

