ELEPHANT

Manufacturer of shut-off and control valves

TECHNICAL DATA SHEET

Butterfly valve Elephant
WBVx32x-2W-Fb-H DN40-300 16 bar
stainless/carbon steel, interflanged,with handle

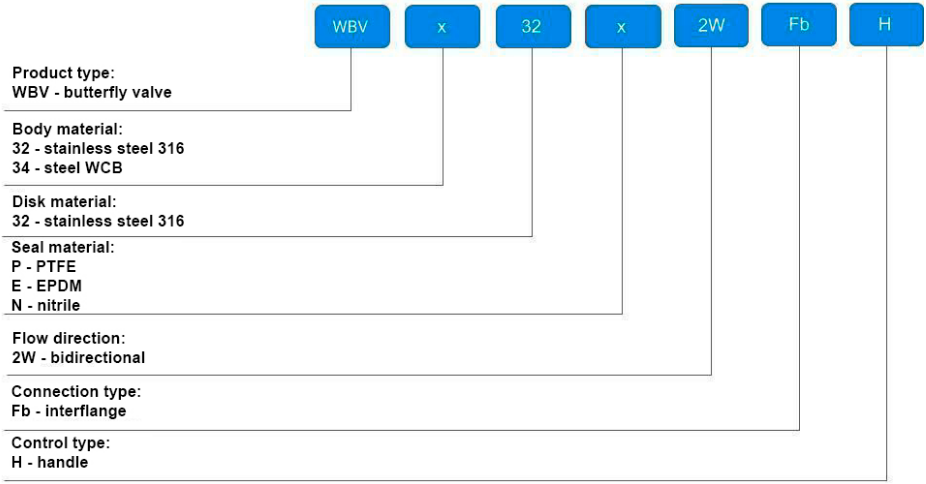
+34 900 433 073, sales@valveelephant.com
Carrer d'Aragó,264,3-1,08007 Barcelona, Spain

1. GENERAL INFORMATION ABOUT THE PRODUCT

1.1. Product name: Butterfly valve Elephant WBVx32x-2W-Fb-H DN40-300 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:



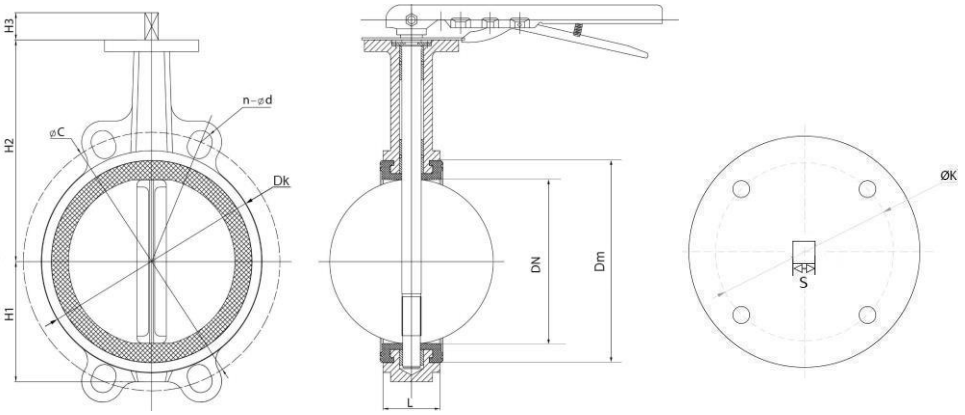
+34 900 433 073, sales@valveelephant.com
Carrer d'Aragó,264,3-1,08007
Barcelona, Spain

MAIN TECHNICAL DATA AND CHARACTERISTICS

Nominal diameter DN, mm	40 – 300
Nominal pressure, bar	16
Flow direction	double-sided
Working medium temperature t, ºC	from -20 to +85 for NBR from -20 to +120 for EPDM from -29 to +180 for PTFE
Ambient temperature t, ºC	from -40 to +120
Working medium	EPDM: cold and hot water, air without oil and grease, other media neutral to the material PTFE: water, alkalis, acids, solvents and oxidizing agents NBR: water, mineral oils, hydrocarbons, oils, fats
Body material	steel WCB or stainless steel AISI 316L
Disk material	stainless steel AISI 316L
Pipeline connection	interflange
Control type	handle

MATERIAL INFORMATION FOR THE MAIN PARTS

№	Name	Material	№	Name	Material
1	Body	steel WCB or stainless steel AISI 316L	6	Bushing	PTFE
2	Cuff	EPDM, PTFE, NBR	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	Dm	Dk	L	S	ØK	ØC	n - Ød	Stem	ISO 5211	Weight, kg
mm													
40	56	110	27	71	88	33	9	50	110	4 - Ø18	9x9	F05	2
50	76	162	32	73	90	45	9	50	125	4 - Ø18	9x9	F05	2
65	89	175	32	85	103	48	9	50	145	4 - Ø18	9x9	F05	2.3
80	95	181	32	100	116	49	9	50	160	8 - Ø18	9x9	F05	2.6
100	114	200	32	131	151	55	11	50	180	4 - Ø18	11x11	F05	4.1
125	127	213	32	155	174	58	14	70	210	4 - Ø18	14x14	F07	5.2
150	140	225	32	184	205	59	14	70	240	4 - Ø23	14x14	F07	6.6
200	177	260	36	234	255	64	17	102	295	4 - Ø23	17x17	F10	11.5
250	203	292	36	288	315	70	22	102	355	4 - Ø27	22x22	F10	17.3
300	242	337	36	340	375	80	22	125	410	4 - Ø27	22x22	F12	27.8

+34 900 433 073, sales@valveelephant.com
Carrer d'Aragó,264,3-1,08007
Barcelona, Spain

MAXIMUM TORQUES

DN, mm	Torque at ΔP=16 bar, Nm		
	EPDM	NBR	PTFE
40	20	20	42
50	23	23	45
65	29	29	50
80	39	39	55
100	59	59	128
125	84	84	150
150	86	86	272
200	220	220	400
250	350	350	400
300	420	420	600

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 disk butterfly valve.
9. If the gate has been installed correctly, the gate should open and close freely.

10. During operation, periodic inspections (routine maintenance) should be performed at the times 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.

+34 900 433 073, sales@valveelephant.com
Carrer d'Aragó,264,3-1,08007
Barcelona, Spain

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

№	Product Name	Packs

Date of sale: _____

L.S.