

TECHNICAL DATA SHEET

**Wafer Butterfly Valve VD 290 PSI (PN 20 MPa)
class 150, compact flanged connection
(seal – EPDM/PTFE), hand wheel operated**



+1 786-796-5303, sales@valve-daddy.com
18117 Biscayne Blvd
Suite #2261
Miami, FL 33160

GENERAL INFORMATION ABOUT THE PRODUCT

Product Name: Wafer Butterfly Valve VD 290 PSI (PN 20 MPa) class 150, compact flanged connection (seal – EPDM/PTFE), handwheel operated

Purpose: The wafer butterfly valve is intended for use as a shut-off or control valve for flow control in heat supply systems, water supply, in technological processes of food, chemical, oil and gas, pulp and paper and other industries.

MAIN TECHNICAL DATA AND CHARACTERISTICS

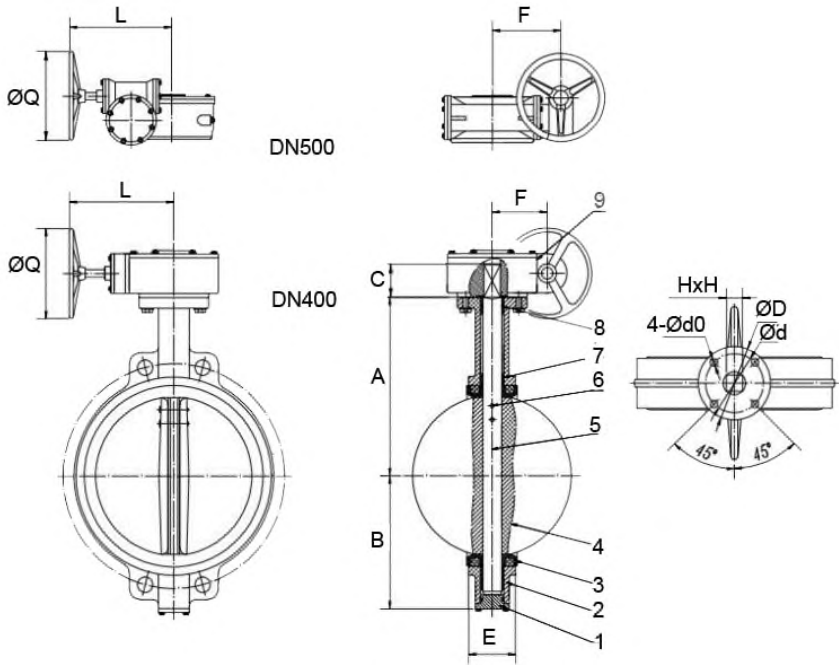
Nominal diameter DN, inch (mm)	16" – 20" (400 – 500)
Nominal pressure PSI (PN, Mpa)	290 (2,0) class 150
Maximum ambient temperature t, °F (°C)	from -4 to +248 (from -20 to +120) for EPDM from +14 to +356 (from -10 to +180) for PTFE
Tightness in the gate	according to class VI MSS SP-61
Working environment	EPDM: cold and hot water, air without oil and fat impurities, other media neutral to the material used PTFE: water, alkalis, acids, solvents and oxidizers
Connection to the pipeline	compact flanged
Flow direction	two-way
Type of control	handwheel

INFORMATION ABOUT THE MATERIALS OF THE MAIN PARTS

Nº	Name	Material	Nº	Name	Material
1, 2	Plug, Body	Carbon Steel ASTM A216 Gr. WCB	6	Stud	PTFE
3	Seal	EPDM / PTFE	7	Coupling	PTFE
4	Disc	Stainless Steel AISI 316L	8	O-ring	NBR
5	Stem	Stainless Steel AISI 316	9	Handwheel	-



THE MAIN DIMENSIONS OF WAFER BUTTERFLY VALVE



DN		A		B		C		E		ØQ		L	
inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
16"	400	15.75	400	11.73	298	2.05	52	4.02	102	11.22	285	9.45	240
20"	500	18.90	480	14.09	358	2.56	65	5.00	127	11.22	285	10.04	255

DN		F		ØD		Ød		4-Ød0		HxH	
inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
16"	400	4.21	107	6.89	175	5.51	140	4-Ø0.71	4-Ø18	1.06x1.06	27x27
20"	500	6.85	174	6.89	175	5.51	140	4-Ø0.71	4-Ø18	1.06x1.06	27x27



INSTALLATION AND OPERATION

1. Before installation, it is necessary to clean (purge) pipelines from dirt, sand, scale.
2. The installation of wafer butterfly valves should be carried out only between the collar flanges.
3. The inner diameter of the flanges must correspond to the nominal diameter of the wafer butterfly valve.
4. The flanges should be located plane-parallel with respect to each other at a distance that ensures free (without unnecessary effort) placement of the gate between them. There should be no nicks, shells, burrs, as well as other surface defects on the sealing surfaces of the flanges.
5. Before mounting, the wafer butterfly valve disc must be slightly opened, but so that the disc does not extend beyond the rotary shutter body.
6. Center the wafer butterfly valve and slightly tighten the bolts (studs), but do not tighten them. Open the wafer butterfly valve disc to the "fully open" position.
7. Tighten the bolts (studs) so that the flanges and the wafer butterfly valve body (metal part) are touched. The flange connections should be tightened evenly in three or even four passes, in a criss-cross sequence.
8. The tightening of the bolts on the compact flanged connections should be uniform around the perimeter. Slowly close and open the wafer butterfly valve. If the wafer butterfly valve has been installed correctly, the wafer butterfly valve should open and close freely.



WARRANTY PERIOD

The manufacturer guarantees the operability of the product for 12 months from the date of commissioning, but not more than 14 months from the date of sale.

The warranty does not apply:

- for parts and materials of the product subject to wear;
- in cases of damage caused by:
 - making changes to the original design of the product;
 - violations of general installation recommendations;
 - malfunctions caused by improper maintenance and storage;
 - improper operation and use of the equipment.

MARK OF SALE

№ in order	Name	Quantity

Date of sale: _____

M.P.

