



Application

The throttling butterfly valves are valves to regulation medium flow rate, which can flow by both ways. The throttling butterfly valves aren't closing valves.

Working medium

- air
- water
- non-aggressive liquids
- gases

Maximum working temperature

A working temperature is from -40 °C up to +400 °C and depends on the body and gland packing material.

Technical description

The eccentric disc is pivoted by operating shaft in the body. The angle displacement of the disc is 0-90°. Disc position is shown by indicator line on the shaft, eventually on the electric actuator. There is always a gap between disc and body in closed position (butterfly valve is not closing valve) - see Fig. A.

Operation

- electric actuator
- bare shaft

Testing

The valves are tested according to PED 97/23/EC and EN 12 266-1 as standard or ISO 5208.

Connection to piping

- wafer type acc. to EN 1092-1
- flanged ends acc. to EN 1092-1
- welded ends acc. EN 12 627

Other ways of connection are acc. to the customer's requirement, e.g. ANSI, GOST. The face to face and connecting dimensions are noted in table of dimensions.

Installation

The throttling butterfly valves can be mounted into horizontal, vertical or inclined pipeline with the horizontal rotating axe of the disc. When there is a butterfly valve with electric actuator it is important to abide the actuator's manufacturer.

Production range

DN 200-2000 • PN 2,5-25 • Tmax +400°C

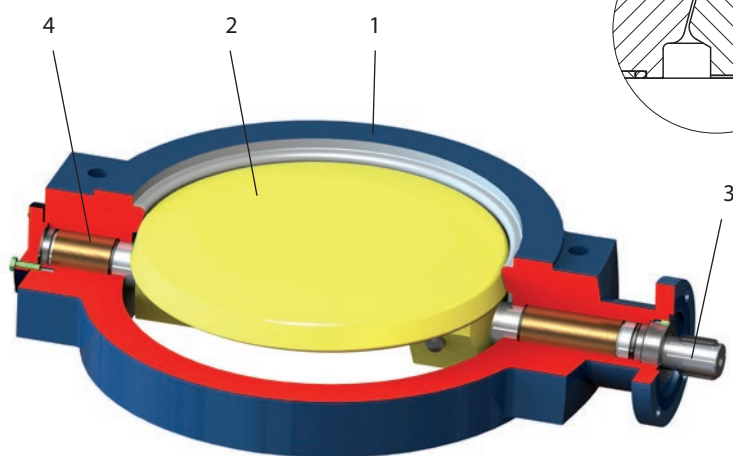
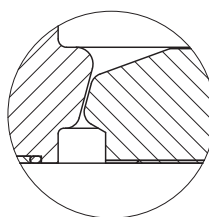


Fig. A



Material

Position	Component	Material acc. to EN
1	Body	1.0425+N
2	Disc	1.0425+N
3	Shaft	1.4021-QT700
4	Pivot	1.4021-QT700

PN	Maximum allowable working pressure (bar)								
	Temperature	-10 to +50 °C	100 °C	150 °C	200 °C	250 °C	300 °C	350 °C	400 °C
2,5		2,5	2,2	2,0	1,9	1,8	1,6	1,5	1,4
6		6,0	5,6	5,2	4,7	4,3	3,9	3,6	3,5
10		10,0	9,3	8,7	7,8	7,1	6,4	6,0	5,8
16		16,0	14,9	13,9	12,4	11,4	10,3	9,6	9,2
25		25,0	23,3	21,7	19,4	17,8	16,1	15,0	14,4

Table of dimensions are identical with type L32.6 – see page 7-10.