

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 - 50 °C up to + 500 °C and depends on the body and gland packing material.

Technical description

The 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, on the lever eventually on the electric actuator. There is always a gap between disc and body in closed position for type L35.18. In case of butterfly valve design with sealing collar (type L35.38) then the gap is limited to shaft area merely.

Operation

- lever
- manual gear-box
- electric actuator
- bare shaft
- pneumatic or hydraulic actuator

Testing

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

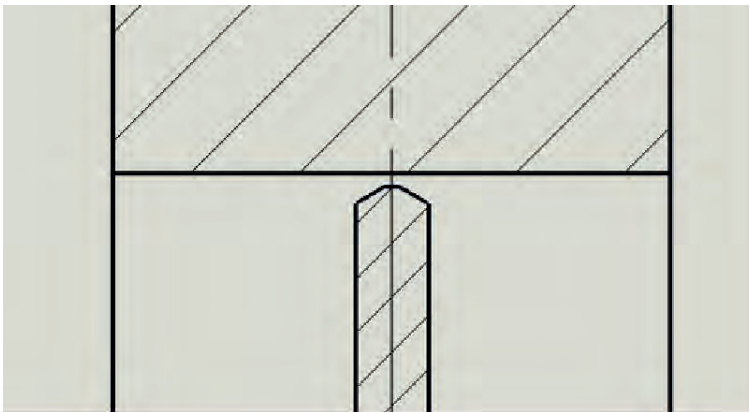
Connection to piping

- wafer type acc. to EN 1092-1
- flanged ends acc. to EN 1092-1

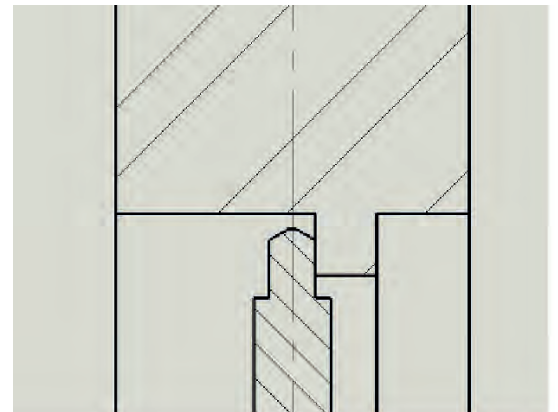
Other ways of connection are acc. to the customer's requirement. The face to face and connecting dimensions are noted in table of dimensions, e.g. GOST, ANSI.

Installation

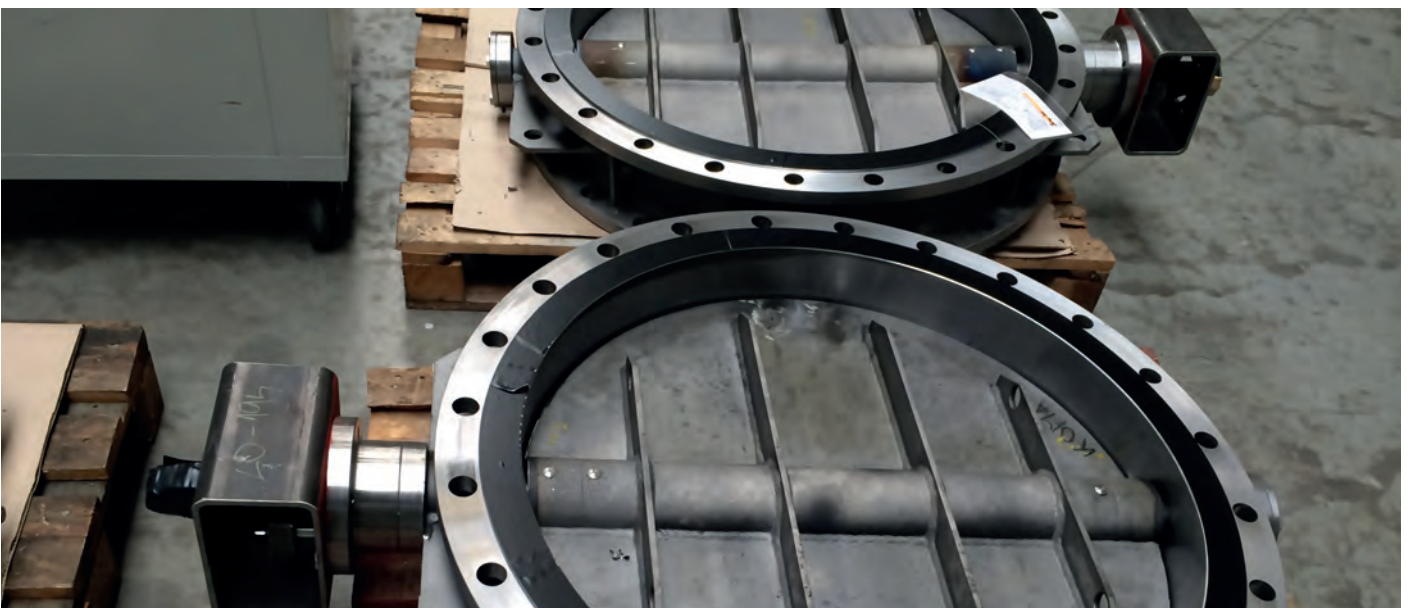
The throttling butterfly valves can be mounted into horizontal, vertical or inclined pipeline with the horizontal rotating axe of the disc. When there is a butterfly valve with actuator it is important to abide the actuator's manufacturer.



Design type L35.18



Design type L35.38

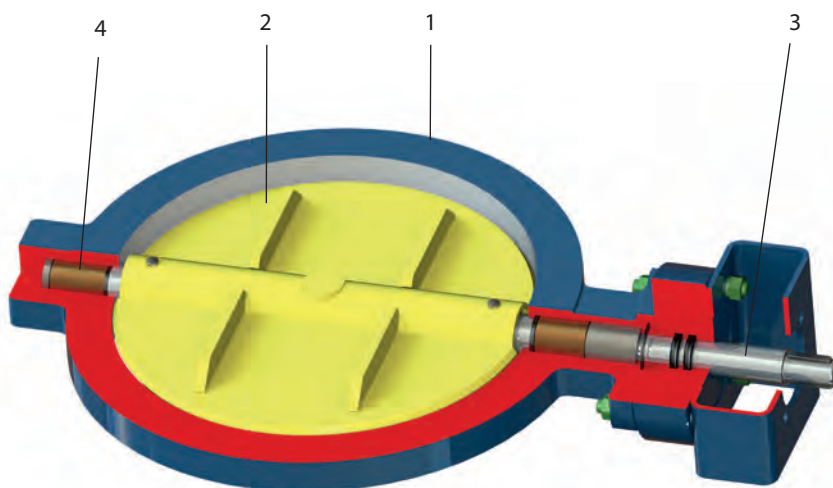




DN 50-2400 • PN 1-16 • Tmax +500 °C
 L35.18 • DN 50-2400 • PN 1-16
 L35.38 • DN 200-2400 • PN 2,5-16

Connection: EN 1092-1 FLANGED ENDS
 EN 1092-1 WAFER TYPE

More detailed information will be provided on request.



Material

Position	Component	EN				
		Carbon forged steel			Stainless steel to +500 °C*	Alloy forged steel to +500 °C*
		to +150 °C*	to +425 °C*	from -40 °C to +400 °C*		
1	Body	1.0577	1.0425	1.0566	1.4541	1.7335
2	Disc					
3	Shaft, pivot	1.4021-QT700			1.4541	1.4923
4	Bearing bush	GGG40; KU; 42 3046	GGG40; KU; 42 3046; Ni-Rezist		Ni-Rezist	Ni-Rezist

*The thermal use of the valve depends on the pressure-temperature characteristic of the material - see further information in this catalog.

Production range

DN	Wafer type					Flanged ends				
	PN					PN				
	1*	2,5	6	10	16	1*	2,5	6	10	16
50	.	.								
100	.	.								
150
200
250
300
350
400
450
500
600
700
800
900
1000
1200
1400	
1600	
2000		
2200		
2400		