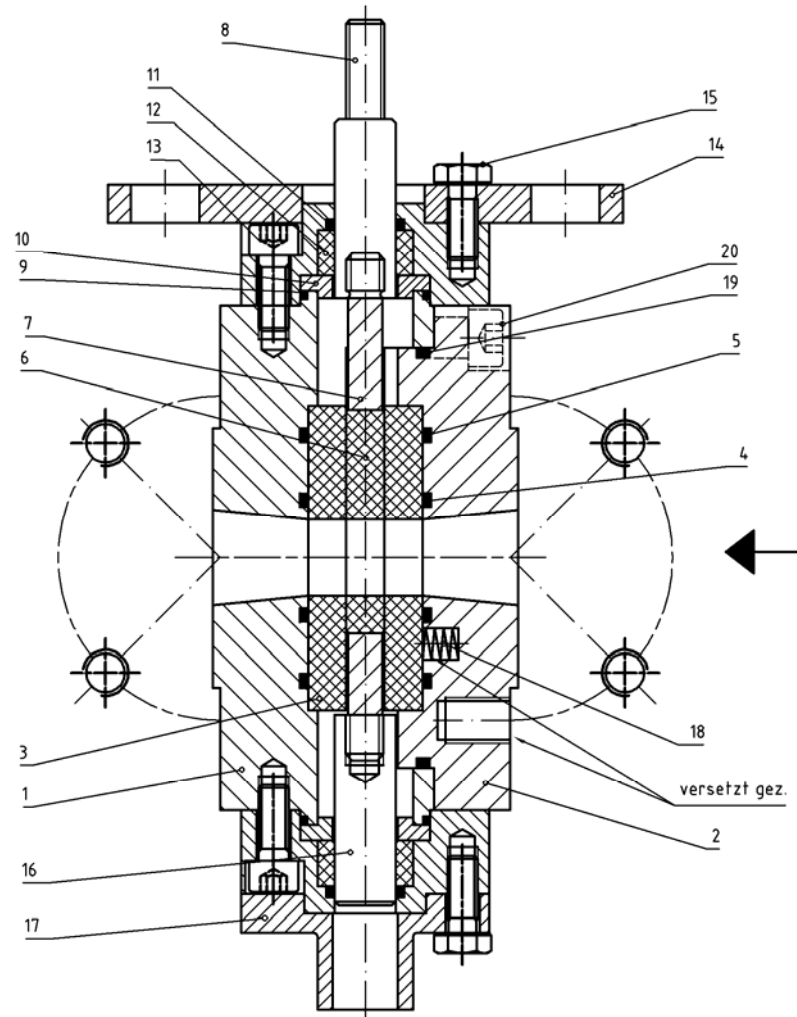


Technical Description

1 Assembly Sketch



2 Standardbauteile

Pos.	Bauteil	Werkstoff
1	Lower valve body	1.4301 (AISI 304)
2	Upper valve body	1.4301 (AISI 304)
3	Ceramic disc	Al ₂ O ₃
4	O-Ring	Viton
5	O-Ring	Viton
6	Ceramic sliding disc	Al ₂ O ₃
7	Adapter frame	1.4301 (AISI 304)
8	Stem	1.4301 (AISI 304)
9	O-Ring	Viton
10	Buffer ring	1.4301 (AISI 304)

Pos.	Bauteil	Werkstoff
11	O-Ring	Viton
12	Bushing	PTFE-Carbon
13	Allen bolt	A2-70
14	Bonnet flange	1.4301 (AISI 304)
15	Screw	A2-70
16	Trunnion	1.4301 (AISI 304)
17	Protection ring	1.4301 (AISI 304)
18	Spring	1.4301 (AISI 304)
19	O-Ring	Viton
20	Allen bolt	A2-70

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3 Operation

The SSL is made for "on/off" and control applications of corrosive and slightly abrasive fluids / media. It can handle operating cycles with high frequency in which long service times, absence of "dead-space" and occasional control positions are required.

The SSL consists of 3 ceramic discs sealing against themselves. The center disc (sliding disc) is moving vertically, while the other two are stationary. Springs are used for compression. Through different aperture profiles in the sliding disc (round, triangle, slot), a specific control characteristic can be obtained.

Wetted materials are: the ceramic discs, the valve body and the sealing. Therefore sealing elements (o-rings) and the body needs to be corrosion resistant to the fluid.

Currently there are three available sizes: SSL15, SSL22 and SSL30.

This valve is made for flows in the range of 25 l/h to 40 m³/h in sizes DN 10 to DN65.

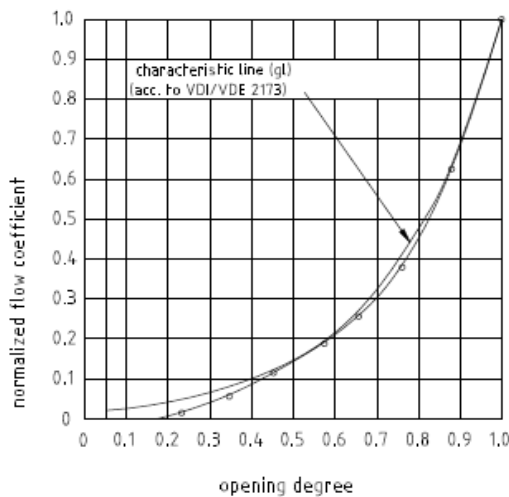
Operating pressure up to 100 bar.

Standard connection: flanged, alternatives available.

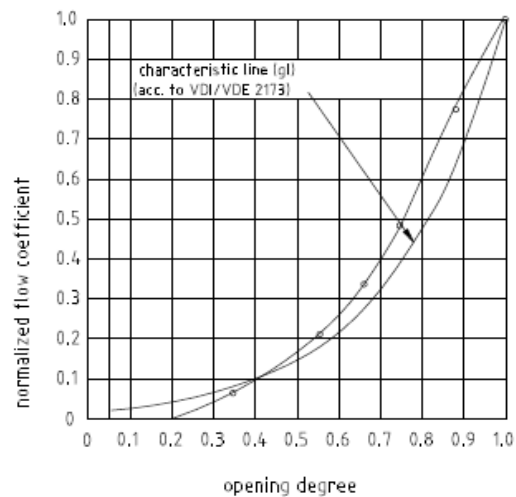
"Face-to-face" dimensions acc. to DIN EN 558-1 series 47. Longer dimensions can be obtained by adding a spool.

The SSL is available with actuator or with manual operator.

4 Flow Charts



Nominal Diameter : DN 10 - 50
Disk bore : triangular
Characteristics : equal percentage



Nominal Diameter : DN 10 - 50
Disk bore : round
Characteristics : equal perc.

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