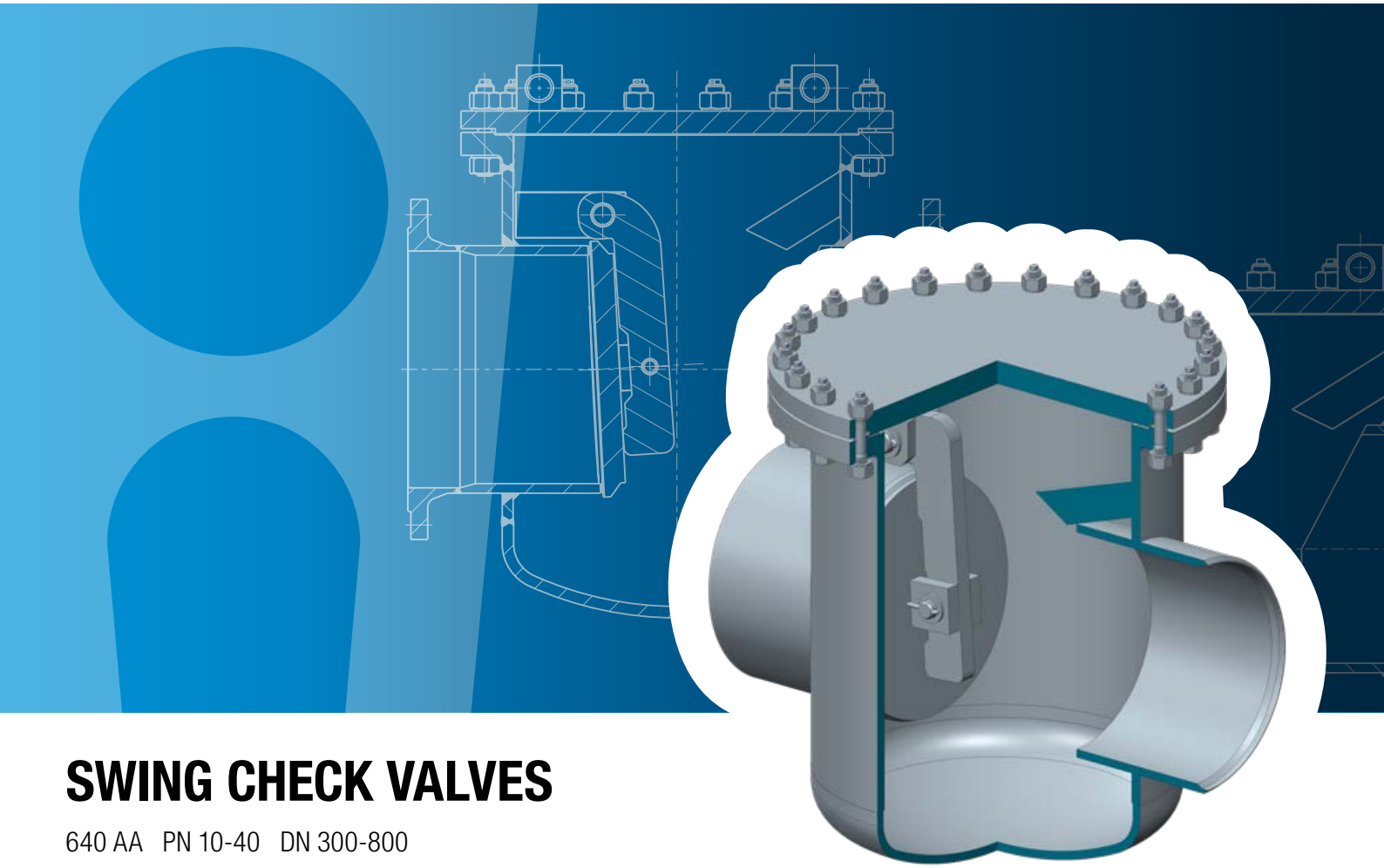


SWING CHECK VALVES

640 AA PN 10-40 DN 300-800

Design highlights

- Armoured body and disc seat
- Swing check disc with moving shaft on the valve lever
- Valve lever mounted on the valve shaft by a separate bearing
- Internal valve shaft

Advantages

- Long-lasting effective impermeability at closure
- Better mobility and adjustment of the disc on the body seat
- Improved material combination and wear characteristics
- Fewer seals and thus fewer possible leaks exernal leaks

Version

- Swing check valve with internal shaft
- Welded body design
- Available with flanged and butt-weld connections

Materials

- 1.0425

Other materials available on request.

Flow media

Depending on the choice of materials, the swing check valves can be used for water, steam, gas, oil or other non-aggressive media.

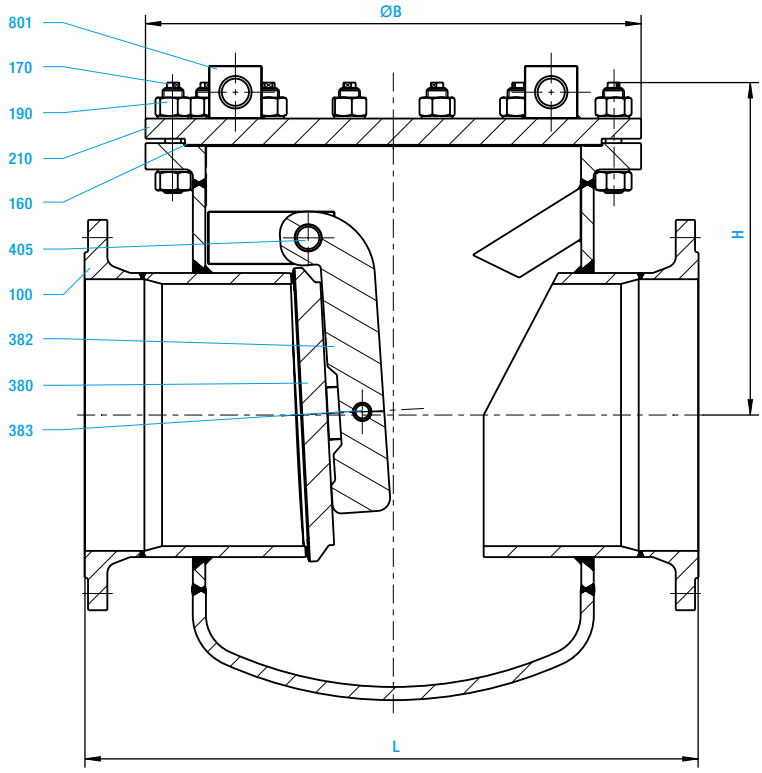
Operating data

- Operating pressure up to 40 bar
- Operating temperature up to 400 °C

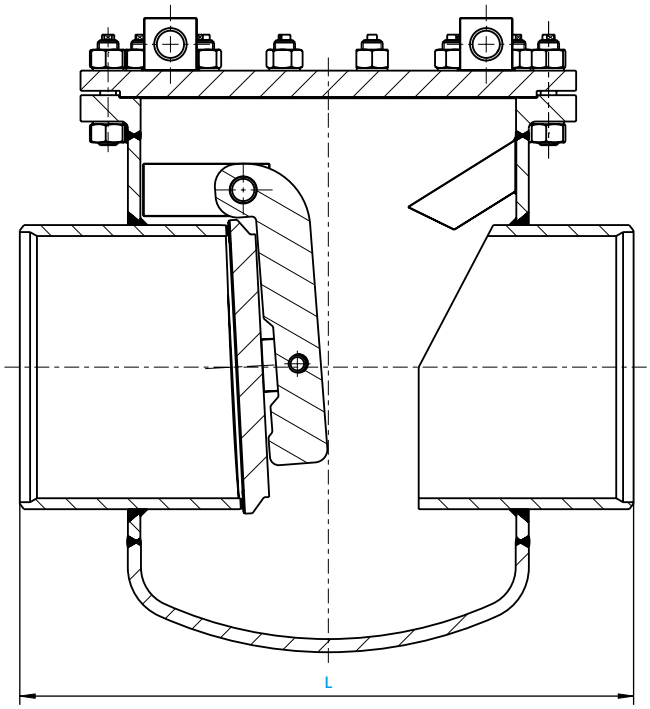
Applications

In chemical, industrial and power plants.

Flange version



Butt-weld end version



Subject to technical modifications

Materials

Item	Designation	1.0425 (22)
100	Body	1.0425
	Body seat	Cr17 [1]
160	*Gasket*	*Grooved profile with graphite layer*
170	Stud bolt	1.7218
190	Hexagonal nut	1.7218
210	Cover	1.0425
380	*Swing check disc*	*1.0425*
	Armoured with	*Cr17* [1]
382	*Disc lever*	*1.0038*
383	*Bolt*	*1.4021*
405	*Valve shaft*	*1.4021*
801	Disc	1.0570

Spare parts

Materials 1.0571, 1.5415, 1.7335 available on request

1) Available with Stellite on request

Dimensions/mm

DN \ PN	10-16 L	25-40 L	10-16 H	25 H	40 H	10-16 ØB	25 ØB	40 ØB
300	700	850	375	405	425	565	575	575
350	800	980	427	448	483	630	640	640
400	900	1100	463	498	577	750	770	770
450	1000	1200	525	564	617	750	750	780
500	1100	1250	591	610	633	870	870	890
600	1300	1450	824	841	811	1040	1040	1040
700	1500	1650	896	918		1175	1175	
800	1700	1850	973	1018		1275	1275	

Weights/kg and Kvs value m^3/h

DN \ PN	10	16	25	40	10	16	25	40	Kvs [m^3/h]
	Flange				Butt-weld ends				
300	275	285	350	430	255	255	305	355	3600
350	380	395	475	550	335	345	395	445	4900
400	560	575	735	895	525	525	365	745	6400
500	910	945	1180	1300	860	860	1040	1125	9996
600									14395
700									19593
800									25591