

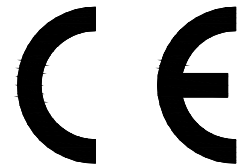
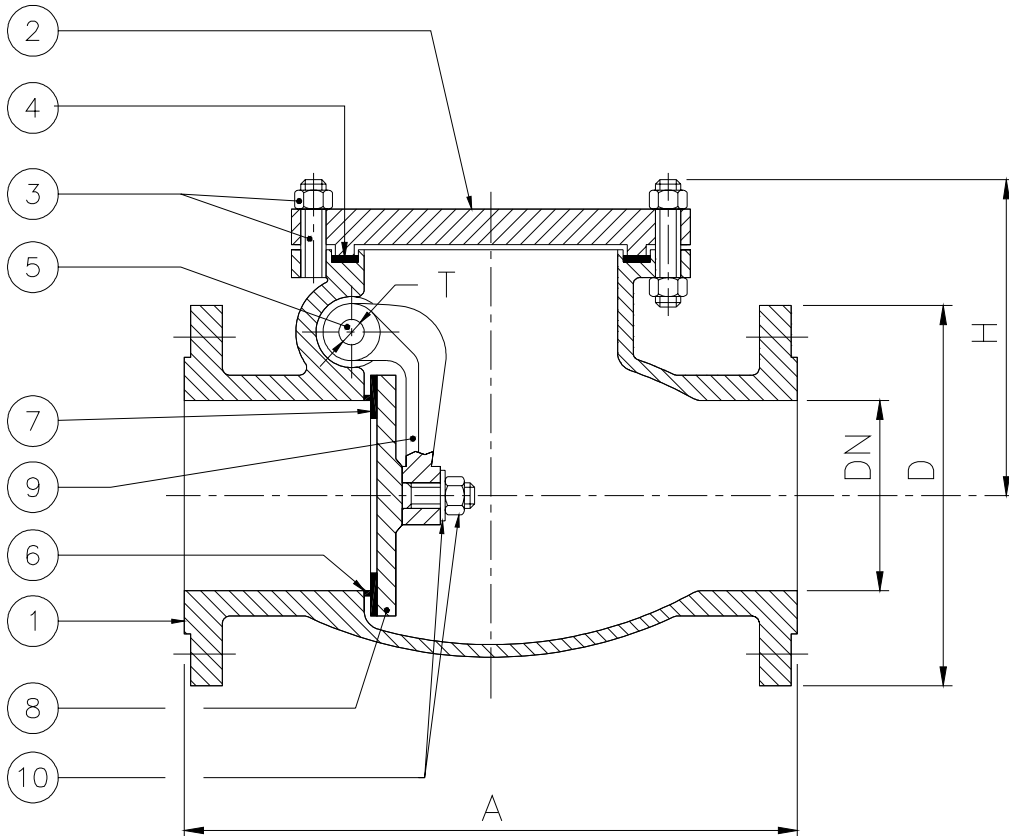
Swing Check Valve

PN 40 DN 50 - DN 400

Flanges PN 40 or PN 25 or PN 16



Fig. 280-580



0948

Rel. 4.0

Standard features:

- Design EN 12516
- Face to face EN 558 series 1
- Flanges EN 1092-1/21/B1
- Materials EN 10213
- EN 10269
- EN 10088
- Bolts and nuts EN 1515-1
- Welding overlay AD-M HP 0
- Testing EN 12266
- Marking EN 19
- Certificates EN 10204

Optional versions:

- AD 2000 – A4
- TRD 110
- DIN 3230 Part 4
- DIN 3230 Part 5
- DIN 3230 Part 6
- TRbF 131
- TRbF 301
- TRbF 302
- TA-Luft
- With flanges PN 10
- With flanges form A, B2, C, D, E, F, G, H
- With butt welding ends (EN 12627 / EN 12982)
- With special devices (see page 44)

	DESCRIPTION	FIG. 280	FIG. 380	FIG. 380-J	FIG. 480	FIG. 480-H	FIG. 580
1	Body	1.0619	1.4581	1.4308	1.7357	1.7379	1.1138
2	Cover	1.0425 ⁽⁵⁾	1.4571	1.4301	1.7335	1.7380	1.0508
3	Bolts	1.7225 ⁽⁴⁾	1.4301 ⁽⁴⁾	1.4301 ⁽⁴⁾	1.7711 ⁽⁴⁾	1.7711 ⁽⁴⁾	1.7225 ⁽⁴⁾
3	Nuts	1.1191 ⁽⁴⁾	1.4301 ⁽⁴⁾	1.4301 ⁽⁴⁾	1.7225 ⁽⁴⁾	1.7225 ⁽⁴⁾	1.7225 ⁽⁴⁾
4	O Gasket	Graphite + SS ⁽³⁾	Graphite + SS ⁽³⁾	PTFE ⁽³⁾	Graphite + SS ⁽³⁾	Graphite + SS ⁽³⁾	Graphite + SS ⁽³⁾
5	x Hinge pin	1.4021 ⁽¹⁾	1.4571 ⁽¹⁾	1.4301 ⁽¹⁾	1.4021 ⁽¹⁾	1.4021 ⁽¹⁾	1.4021 ⁽¹⁾
6	Body seats	1.4502 ⁽²⁾	1.4581 ⁽²⁾	1.4308 ⁽²⁾	1.4502 ⁽²⁾	Stellite	1.4502 ⁽²⁾
7	Disk seats	1.4502 ⁽²⁾	1.4581 ⁽²⁾	1.4308 ⁽²⁾	1.4502 ⁽²⁾	Stellite	1.4502 ⁽²⁾
8	x Disk	1.0425 ⁽⁵⁾	1.4581	1.4301	1.7335	1.7380	1.0508
9	Hinge	1.0619	1.4581	1.4308	1.7357	1.7379	1.1138
10	Stud	1.7225 ⁽⁴⁾	1.4401 ⁽⁴⁾	1.4301 ⁽⁴⁾	1.7711 ⁽⁴⁾	1.7711 ⁽⁴⁾	1.7225 ⁽⁴⁾
10	Nut	1.1191 ⁽⁴⁾	1.4401 ⁽⁴⁾	1.4301 ⁽⁴⁾	1.7225 ⁽⁴⁾	1.7225 ⁽⁴⁾	1.7225 ⁽⁴⁾

⁽¹⁾ Also available on request 1.4571, 1.4301, 1.3964, Hastelloy, or other materials.

⁽²⁾ Also available on request stellite, 1.4462 (duplex), 1.4430, 1.4316, Hastelloy, or other materials.

⁽³⁾ Also available on request PTFE, Gore-tex, graphite, or other materials and different desing (e.g. cam-profile).

⁽⁴⁾ Also available on request 1.7225 / 1.1191, 1.7711 / 1.7225, 1.4401, 1.4301, A4-70 or other materials.

⁽⁵⁾ 1.0044 for swing check valves with DN over 125 mm.

O recommended spare parts for 2 years standard service; x recommended spare parts for 5 years standard service.

Dimensions

	DN	A	D	H	T	Kg
PN 40	50	230	165	160	10	20
	80	310	200	175	15	33
	100	350	235	215	15	46
	125	400	270	230	15	65
	150	480	300	240	18	95
	200	600	375	290	18	165
	250	730	450	320	25	230
	300	850	515	395	25	380
	350	980	580	435	25	500
	400	1100	660	450	25	580

Pressure Temperature Ratings (°C / bar)

	PN	-195	-150	-100	-50	-10	0	20	100	150	200	250	300	350	400	425	450	475	500	525	550	575	600	
Fig. 280 ⁽⁵⁾	40				40.0	40.0	39.5	37.3	34.2	31.1	28.4	25.8	24.0	23.1	18.9	14.8								
Fig. 380 ⁽⁶⁾	40			40.0	40.0	40.0	40.0	38.6	32.9	30.7	28.4	27.1	25.8	24.4	23.1	22.7	22.2	21.8	21.3	20.9	20.4			
Fig. 380-J	40	40.0	40.0	40.0	40.0	40.0	40.0	37.7	28.4	25.3	22.2	20.9	19.6											
Fig. 480 ⁽⁶⁾ (?)	40				40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	38.2	35.6	25.2	14.8	17.8	20.8	15.3	9.8			
Fig. 480-H(?)	40				40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	39.4	38.8	31.5	24.2	18.0	11.7	8.4	5.0		
Fig. 580	40				40.0	40.0	40.0	39.1	35.6	33.8	32.0	31.1	30.2											

Please, in the inquiry and in the order, specify always the maximum service temperature when it's over 100 °C.

If the valves are provided with flanged connection PN 25 or PN 16 the maximum allowable pressure should be proportionally reduced.

⁽⁵⁾ Supplied suitable for service temperature up to 300°C and for higher temperatures only on request.

⁽⁶⁾ Suitable over 450 °C only if provided with stellite seats. (?) Suitable over 530 °C only if provided with 1.3964 pin.