

SSC: Technical Data

42 Swing Check Valves, plastomer-lined

PM 42 M.01.2 e
December 2006



Swing Check Valves SSC Series

Ideally suited for safe non-return flow control of aggressive, fluidic media to be handled in process systems. Valves can be mounted horizontally or vertically between flanges acc. to DIN PN10/16 resp. ANSI 150lbs.

Operating Conditions

- Temperature range from -20°C (-4°F) up to +200°C (+392°F)
- Pressure range from full vacuum up to 10 bar (145 psi)

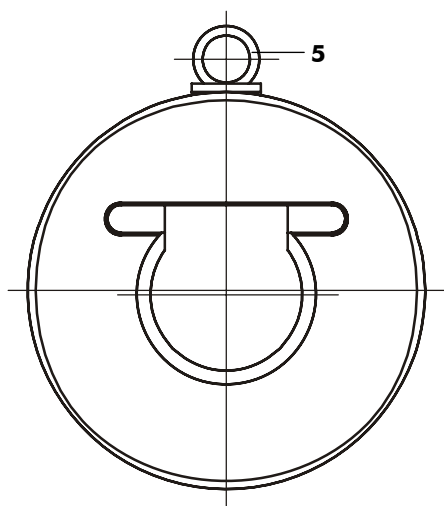
Testing / Marking

- Pressure- and tightness testing acc. to EN 12266-1, leakage rate A, and spark testing at 35 kV to assure lining integrity. Marking of valves on body and name plate acc. to EN 19.
- Material- resp. test certificate acc. to EN 10204-3.1

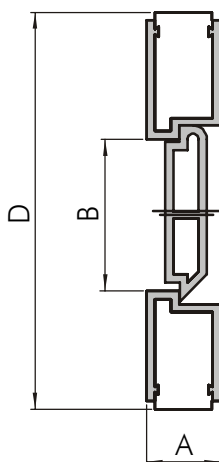
Standard Materials of Components

- | | |
|------------------------|---------------------------------------|
| 1 Body | Carbon steel, blue epoxy-coating |
| 2 Retainer Ring | Carbon steel, blue epoxy-coating |
| 3 Lining | Virgin PFA acc. to ASTM D3307 |
| 4 Disc/Hinge | SS316L, PFA-encapsulated |
| 5 Eye Bolt | Carbon steel, zinc-plated (10" – 24") |

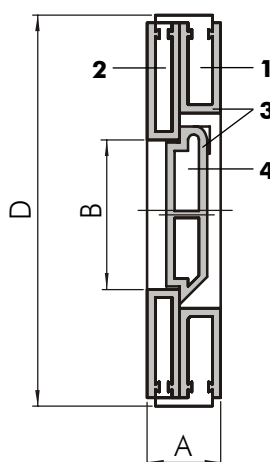
Technical Data



2-piece style
40 - 300, 1½" - 12"



3-piece style
350 - 600, 14" - 24"



Dimensions in mm (Inch = mm / 25.4 lbs = kg x 2.2)

DN	DIN ANSI	40 1½"	50 2"	80 3"	100 4"	150 6"	200 8"	250 10"	300 12"	350 14"	400 16"	450 18"	500 20"	600 24"
A		33	43	46	52	56	60	68	78	92	102	114	114	114
ØB		22	30	55	72	115	155	190	240	275	305	355	405	450
ØD DIN		92	107	142	162	218	273	328	378	438	489	539	594	696
ØD ANSI 150#		82	102	133	172	219	276	337	407	447	511	546	603	717
kg (weight)		1.5	2.5	3	5.5	8.8	15	26	40	65	90	105	122	145

Face to face acc. to DIN EN 558-1 range 20 (up to DN400/18")