

SSC Swing Check Valves plastomer-lined

SWISSfluid

DN40 – DN600 resp. 1½" – 24"

Suited for safe non-return flow control of corrosive fluidic media to be handled in process piping systems.

Modular Design

SSC Swing Check Valves Series are available as wafer-style types, for horizontal or vertical installation between flanges acc. to DIN PN10/16 or ANSI 150lbs.

The sturdy design bodies are made of cast steel 1.0619 (WCB), coating RAL 5005 signal-blue or stainless steel casting 1.4408 (CF-8M), with resistant linings such as PFA or PFA-AS (anti-static).



SSC
Body 1.0619 (WCB)/PFA

Main Features

- DIN/ANSI combined, optimized design
- 2- or 3-piece bodies made of cast steel WCB, RAL 5005 signal-blue epoxy-coating or compl. made of stainless steel CF-8M resp. SS316L
- Linings and encapsulations made of PFA or PFA-AS (conductive)
- Discs encapsulated or solid made of SS316L, Titanium Gr.2 or Hastelloy®C
- Easy installation into existing piping systems, for silent operation, maintenance-free
- Centering lugs
- Locked disc
- Face to face acc. to EN 558-1, range 20

CE Conformity acc. to European
Pressure Equipment Directive 97/23/EC (PED)

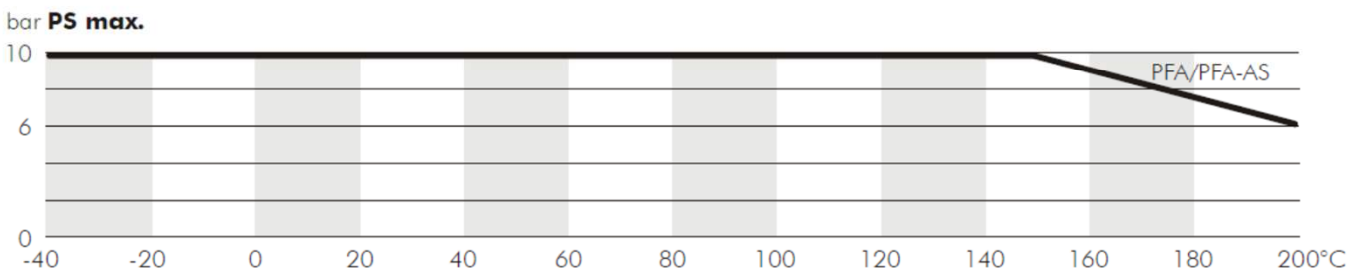
Operating Conditions

- Temperature range from -40°C (-40°F) up to $+200^{\circ}\text{C}$ ($+392^{\circ}\text{F}$), depending on lining material
- Pressure range from 1mbar (0.01 psi) up to 10 bar (145 psi), depending on size/pressure/temperature

Testing / Marking

- Pressure- and tightness testing acc. to EN 12266-1, leakage rate A, resp. API 598.
- Marking of valves on body and name plate acc. to EN 19.
- Material- resp. test certificates acc. to EN 10204-3.1/2.2/2.1

Pressure-/Temperature Diagram



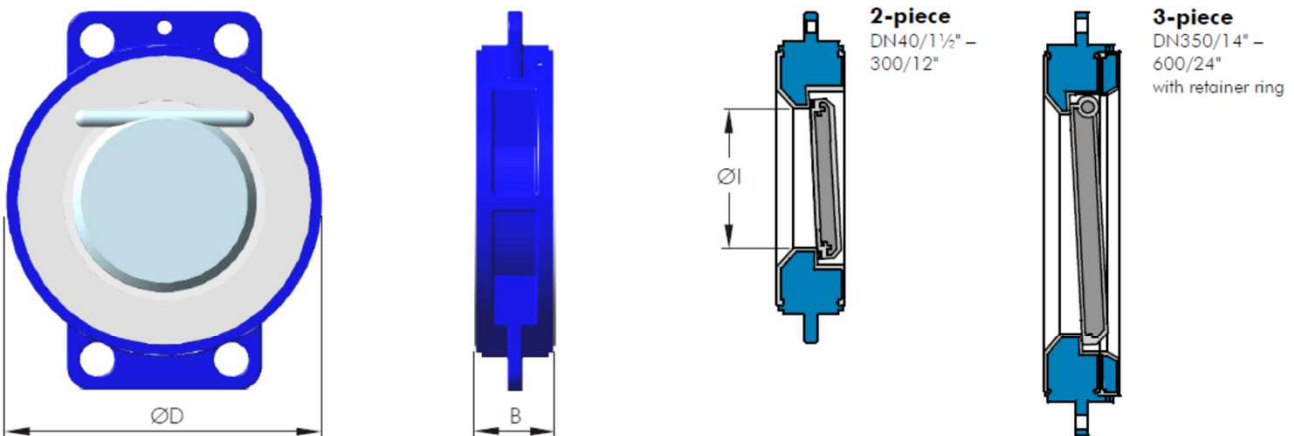
Standard Materials of Components

Body Cast steel 1.0619 (WCB) epoxy-coated
 Disc core 1.4462 Duplex (C.Steel >DN300)
 Lining/encaps. PFA acc. to ASTM D3307
 Retainer Ring ¹⁾ Cast steel 1.0619 (WCB) epoxy-coated

Options

SS casting 1.4408 (CF-8M)
 Solid discs SS316L, Tit. Gr.2, Tit. Gr.7, Hast. C
 PFA-AS (conductive)
 1) 350/14" – 600/24" only

Technical Data



Dimensions in mm (lbs = kg x 2.2)

DN Size nom.	40 1 1/2"	50 2"	80 3"	100 4"	150 6"	200 8"	250 10"	300 12"	350 14"	400 16"	450 18"	500 20"	600 24"
ØD	82	101	133	160	217	268	325	375	437	487	537	592	694
ØI	22	30	51	68	111	155	205	255	280	300	350	400	498
B	33	43	46	52	56	60	68	78	92	102	114	127	154
kg	1.1	2.1	3.6	5.8	9.0	14.5	21.0	31.5	55.0	76.0	115	152	216

Face to face acc. to DIN EN 558-1 range 20, appr. weights for DN450 – 600

other sizes or materials upon request