SCANDI BREW® Self-cleaning CO_2-valve

Tank top systems

Application

Combined gas escape/supply valve to be used in tank top systems and other applications for easy gas flow, allowing venting as well as pressurizing of vessel through the valve. Partly closed for CIP liquid to be cleanable and selfdraining.

Design

Valve housing:	Stainless steel EN 1.4307 (AISI 304L) (EN 1.4404 (AISI 316L) on request)
Valve body:	Polypropylene
Guide for spring:	Polypropylene
Valve gasket:	Nitrile O-ring, non-toxic foodgrade materials. EPDM on request
Available in sizes:	1", 1½", 2", 2½", 3", NW80 and 4"
Connection:	The valve is produced with weld type ends, but can be delivered with threaded ends acc. to specifications, i.e. BSP, NW, RJT, IDF, DS, SMS, clamp or sanitary flange.

The valve housing consists of two parts held together by a threaded connection. Inside there is a valve body and a spring to keep the body in open position. The valve body is drilled to ensure internal cleaning of the valve during CIP.

The valve is typically positioned as an integrated part of the gas/CIP-pipe at the top plate. It can be mounted at an angle of maximum 45° to the ideal vertical position.

The benefits of the self cleaning CO2-valve are:
- Full reliability
- Self cleaning
- Compact design
- Low investment and maintenance costs

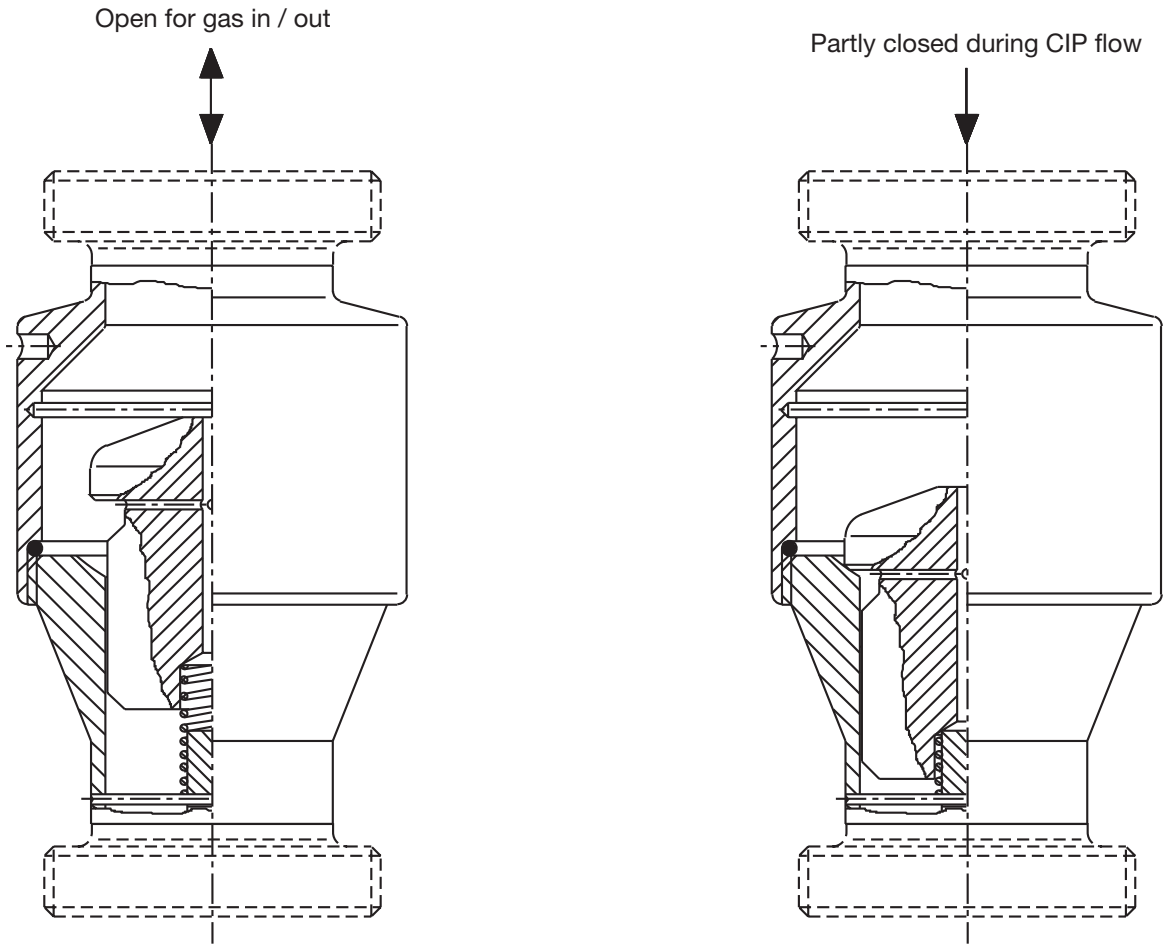
Working principle

The internal polypropylene valve body is force opened by a stainless steel spring, thus allowing full gas capacity through the valve in both directions.
By introducing CIP flow against the spring force the internal valve body will be moved to a closed position.

The valve is cleaned in-line during CIP of the vessel. The liquid will close the valve but a special drilling of the valve body ensures cleaning of its seat and the pipe connection because a small amount of liquid flows through.
Depending on valve size this CIP flow is approx. 800-900 l/h.

Specifications

Maximum gas flow (both directions) at max. 0.1 bar pressure drop	
Dimensions	Flow
1"	250 hl / h
1½"	500 hl / h
2"	1500 hl / h
2½"	2500 hl / h
3"	4000 hl / h
NW80	4500 hl / h
4"	6000 hl / h



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