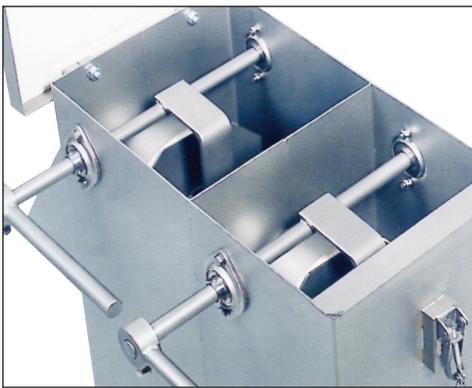


## Overpressure and Vacuum Flap



*Stanelle – solutions for solid bulk handling*

### Type SDAK

For highest silo safety through optimum pressure balance



SDAK 150

SDAK 300

SDAK 400

**Areas of application:** The Stanelle-Overpressure and Vacuum Flap, Type SDAK, is a safety organ for silos which are filled pneumatically. Overpressure as well as vacuum – the latter arising from exhaust fans or through cornice collapses – can be balanced because of the combined design of the pressure flaps. The optimum protection of the silo is guaranteed through the maintenance-free construction of the SDAK flaps.

**Operation:** The weighted, ball bearing supported flaps are opened through the outside, respectively

inside pressure of the silos. In the unopened position the rubber-coated flaps discs are dust-tight. With a negative pressure of more than 5 mbar the vacuum flap is opened through the outside pressure. Outside air can stream into the silo for pressure balance. When overpressure occurs in the silo interior, the flap, with an adjustable weight, opens. The excessive pressure can be neutralized via the flap opening. The special design guarantees that the actuating pressure does not increase excessively and the outlet opening can respond.

**Material/Design:** As construction material steel and various stainless steels are available. Standard sizes are 150 mm, 300 mm and 400 mm diameter. As an option the flap can be fitted with proximity switches. For use on silos and containers in enclosed halls the flap can be supplied with an exhaust air connection pipe so that the air escaping from the silo can be led away through pipelines.

**Finish:**

- Designed in stainless steel AISI 304 / AISI 316 glass beat blasted
- Designed in constructional steel S235JR sandblasting SA 2,5 painting: RAL 9006 white aluminium

**Advantages:**

- Practically maintenance-free
- All bearings long life lubricated
- Outlet opening fully effective due to weighted lap discs
- Over-/ Underpressure range steplessly adjustable depending on the version

**Dimensions and technical data:**

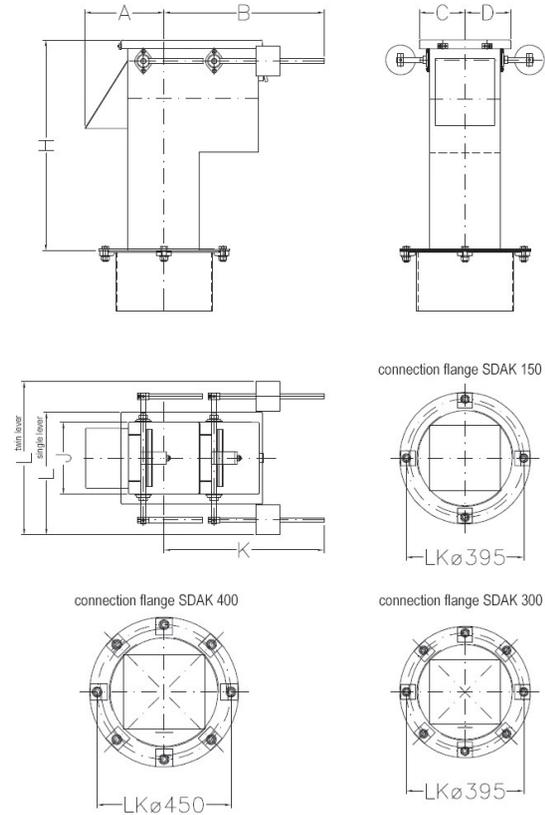
DN	Ø 150 mm	Ø 300 mm	Ø 400 mm
Overpressure	60 mbar	60 mbar	20 mbar
Vacuum	-5 mbar	-5 mbar	-5 mbar
Temperature*	80°C	80°C	80°C
Maximum air capacity	2200 m³/h	8500 m³/h	15000 m³/h
Weight	45 kg	235 kg	500 kg

\* special temperature version upto 250°C possible

**Further components:**



Stanelle Silos + Automation GmbH · Langwiesenstr. 6 · D-74363 Güglingen  
Phone +49 7135 9530-0 · Fax +49 7135 9530-17 · info@stanelle.de · www.stanelle.de



DN	A	B	C	D	LK
150 Standard	265	355	154	154	395
150 Twin lever	265	355	154	154	395
300	427	617	260	260	395
400	527	763	309	450	450

DN	H	J	K	L
150 Standard	706	240	540	415
150 Twin lever	706	240	590	528
300	902	420	810	750
400	1133	508	992	998