

OVER PRESSURE / VACUUM FLAPS

SDAK 150

SDAK 300

SDAK 400



The over pressure / vacuum flaps model SDAK are important safety flaps for silos which are filled pneumatically. Once installed, the flaps balance over pressure as well as vacuum caused by exhaust ventilators or cornice collapse. Due to the maintenance free construction of the SDAK, guarantees an optimal protection. The SDAK is also suitable for protecting ventilation systems/pipes and the folding beams of our loaders.

Areas of Application

- All bearings are lubricated for life
- Exactly routed flow of exhaust air
- Over pressure level stepless adjustable
- Overpressure range / vacuum range continuously adjustable depending on the version
- Overpressure up to 250mbar / Vacuum down relative to 200 mbar as possible options / special design
- As an additional option the flap can be equipped with non-contacting limit switches. When used with silos and containers inside, the flap can be delivered with an exhaust air socket to ensure a smooth diversion of air through pipelines or hoses.

Details / Explanation

- Material:
Steel S235
Rust removal: SA 2,5
Primer: 2K; 40µm
Top coat: 2K; RAL 9006; 40µm

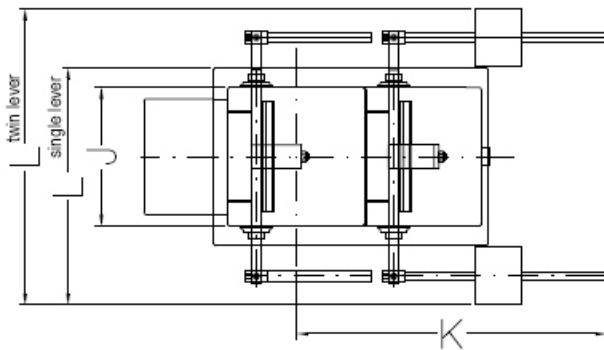
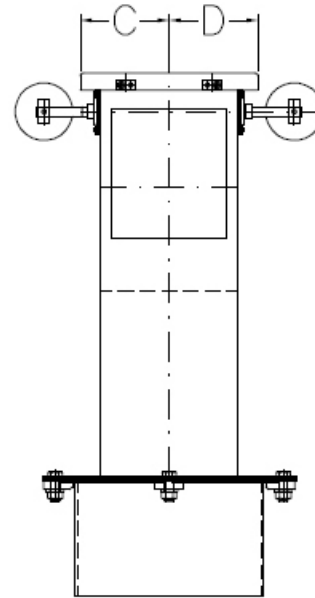
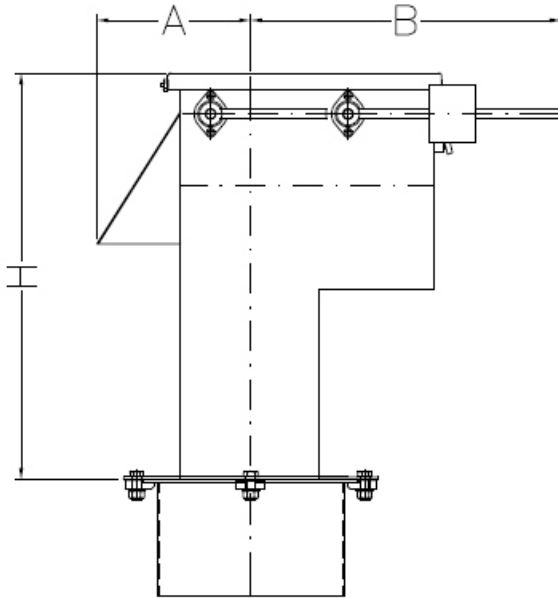
Finish

- Material:
Stainless steel 1.4301
Beads blasted

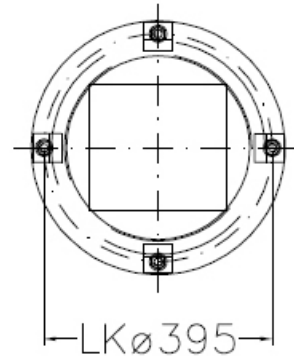
- Material:
Stainless steel 1.4571
Beads blasted

Dimensions Over Pressure / Vacuum Flaps

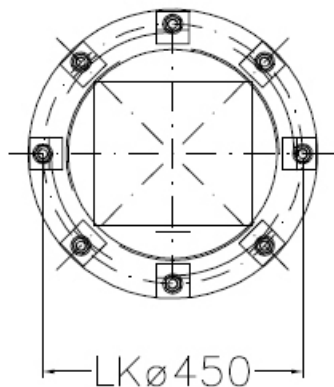
	A	B	C	D	E	H	J	K	L
SDAK 150 Standard	265	355	154	154	240	706	240	540	415
SDAK 150 Twin lever	265	355	154	154	240	706	240	590	528
SDAK 300	427	617	260	260	315	902	420	810	750
SDAK 400	527	763	309	309	450	1133	508	992	998



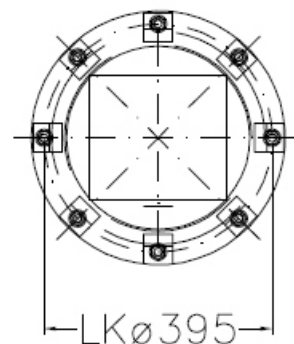
connection flange SDAK 150



connection flange SDAK 400



connection flange SDAK 300



	SDAK 150 Standard	SDAK 150 Twin lever	SDAK 300	SDAK 400
Over pressure	60 mbar Version: 20 mbar – 70 mbar	60 mbar Version: 20 mbar – 70 mbar	60 mbar Version: 20 mbar – 70 mbar	20 mbar Version: 10 mbar – 70 mbar
Vacuum	-5 mbar	-5 mbar Version: -5 mbar bis -25 mbar	-5 mbar Version: -5 mbar bis -25 mbar	-5 mbar Version: -5 mbar bis -25 mbar
Temperature	80°C	80°C	80°C	80°C
Max. air capacity	2200 m³/	2200 m³/	8500 m³/h	15000 m³/h
Weight	45 kg	51 kg	235 kg	500 kg


Additional pressures (e.g. + 200mbar), temperature range (e.g. + 250°C) or other versions on request!

Article number

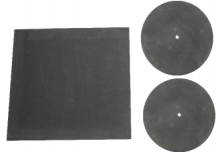


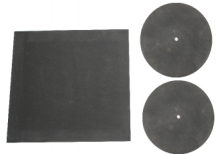

	SDAK 150 Standard	SDAK 150 Twin lever
	Article number	Article number
Version: Standard steel S235JR	762 10 003	762 10 037
Version: Stainless steel 1.4301 (1.4571 on request)	762 10 010	762 10 075
Version: Standard steel S 235JR with exhaust air pipe	762 10 014	762 10 076
Version: Stainless steel 1.4301 (1.4571 on request) with exhaust air pipe	762 10 015	762 10 075
Version: Standard steel S235JR ATEX 20/22	762 10 056	762 10 068
Version: Stainless steel 1.4301 (1.4571 on request) ATEX 20/22	762 10 083	762 10 078



	SDK 300	SDAK 400
	Article number	Article number
Version: Standard steel S235JR	762 10 013	762 10 069
Version: Stainless steel 1.4301 (1.4571 on request)	762 10 023	762 10 070
Version: Standard steel S 235JR with exhaust air pipe	762 10 024	762 10 071
Version: stainless steel 1.4301 (1.4571 on request) with exhaust air pipe	762 10 025	762 10 072
Version: Standard steel S235JR ATEX 20/22	762 10 074	762 10 073
Version: Stainless steel 1.4301 (1.4571 on request) ATEX 20/22	762 10 174	762 10 173

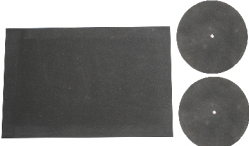

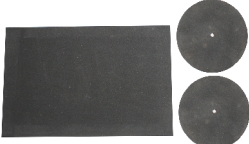



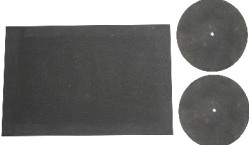
	Weld in flange SDAK 150 / 300	Weld in flange SDAK 400
	Article number	Article number
Version: Standard steel S235JR	762 10 004	762 10 079
Version: Stainless steel 1.4301 (1.4571 on request)	762 10 104	762 10 179
Version: Aluminum	762 10 080	762 10 180

Options	SDAK XXX	
	Article number	
Limit switch incl. sensor S235JR 24V/DC, IG5533 added, open cable ends 1 piece	881 10 084 SDAK 150: V1 SDAK 300 / 400: V2	
Limit switch incl. sensor S235JR 230V/AC/Allstrom, IG6006 added, open cable ends 1 piece	881 10 057 SDAK 150: V1 SDAK 300 / 400: V2	

Equipment / spare parts

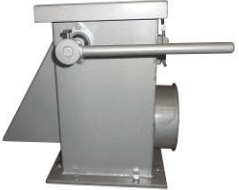


SDAK 150		
	Article number	
Gasket set for SDAK 150 without exhaust air pipe	762 10 006	
Rubber buffers for SDAK 150	721 10 043	
Gasket set antistatic (ATEX) for SDAK 150 without exhaust air pipe	 762 10 055	
Gasket set silicone for SDAK 150 without exhaust air pipe	762 10 039	

Gasket set silicone for SDAK 150 with exhaust air pipe	762 10 039-01	
Rubber buffers food safe for SDAK 150	762 10 021	

SDAK 300		
	Article number	
Gasket set for SDAK 300	762 10 016	
Gasket set antistatic (ATEX) for SDAK 300 	762 10 090	
Gasket set silicone for SDAK 300	762 00 043	
SDAK 400		
Gasket set silicone for SDAK 400	762 10 175	
Gasket set antistatic (ATEX) for SDAK 400 	762 10 176	

Examples – individual special solutions:

Over pressure / Vakuum flaps	Article number	
SDAK 150 without exhaust air pipe	766 10 003	
SDAK 150 VA upto 250°C ATEX temperature 250°C and ATEX 20/22 	762 10 083 - 01	
SDAK 400 double levers stainless steel with exhaust air flange	762 10 072	
Over pressure flaps only		
SÜDK 150 single lever with exhaust air pipe DN 200 Stanelle connection flange	762 10 062	
SÜDK 150 with exhaust air pipe DN 200 connection flange DN 200	767 10 060	

Vacuum flaps only		
UDK 150 with air inlet	751 10 307	
UDK 150	762 10 089	
UDK 150 – ATEX 20/22 	762 10 089-01	