

BS Vertriebsbüro GmbH

Silo-Anlagenbau - "Your specialist in silo components"

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Pneumatic Pinch Valves

Safety component for the pneumatic filling of silos

Areas of application:

The pinch valve is used with the pneumatic filling of silos.

The valve closes by using air/fluid supplied to valve body. The specially designed sleeve will then close 100 %. Max. operating pressure: 2 to 6 bar (depending on valve diameter).

Function:

When filling a silo pneumatically the bulk material is blown with air pressure through the filling tube into the silo. The plain pipe profile guarantees high conveying performance and low wear.

In an emergency, the alarm of a security unit or a breakdown of the control unit etc. the pinch valve will be closed from without by the increase of pressure on the membrane.

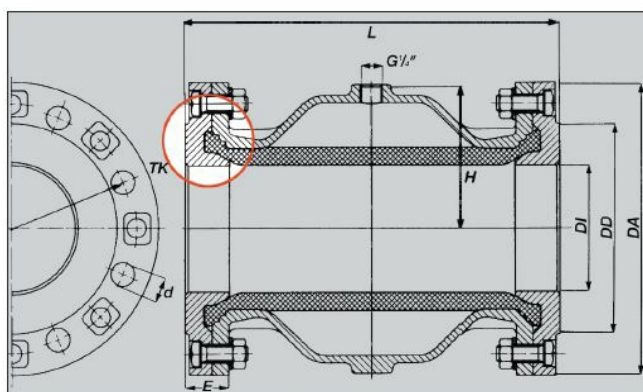
The increase of pressure on the membrane in the spherical part of the housing at least has to be 2 bar higher than the conveying pressure and therefore the pinch valve will be compressed to total closeness.

The directly connected solenoid valve allows a quick streaming in of the control air, which closes the membrane in a safe way.



Advantages:

- safe to operate
- economical
- robust
- short closing times



DN (mm)	DI (mm)	DA (mm)	DD (mm)	d (mm)	screws	TK (mm)	L (mm)	E (mm)	P (mm) max.
40	40	150	88	18	4	110	155	32,0	6
50	50	165	102	18	4	125	183	30,0	6
65	60	185	122	18	4	145	183	32,0	6
80	75	200	133	18	8	160	227	32,0	6
100	100	220	159	18	8	180	281	35,0	6
125	120	250	184	18	8	210	350	39,0	6
150	145	286	212	22	8	240	420	43,0	6
200	190	340	269	22	8	295	555	60,0	4
250	250	395	320	22	12	350	610	49,0	2



with flange sleeve



internal thread (DN 40-100)


stainl. steel/
steel bushing

Special construction i.e. for food and
pharma application upon request

Materials, design & technical data:

body:	cast iron, alu
membrane:	rubber
regulating pressure supply:	G 1/4"
operating pressure:	4 bar
regulating pressure:	ca. 1,8 - 2,0 bar higher as the corresponding operating pressure, max. 6 bar
connecting flange:	DIN 2576, PN 10 alt. inner thread 3" resp. 4"

Sleeves: natural rubber antiabrasive, natural rubber food quality, natural rubber high temp., Nitrile, EPDM, Viton, Silicone, Neoprene, Hypalon, Butyl

Flanges: aluminium casting, aluminium casting with (stainl.) steel bushing, cast iron, stainl. steel, steel (DN 250)

Body: aluminium, stainless steel, steel (DN 250)

Other materials upon request.

Accessories: solenoid valves, pressure switches, pressure regulators, pressure relief units, etc.

Pneumatic Pinch Valve TYPE V (flange type DN 40 bis 250 mm) - PDF

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