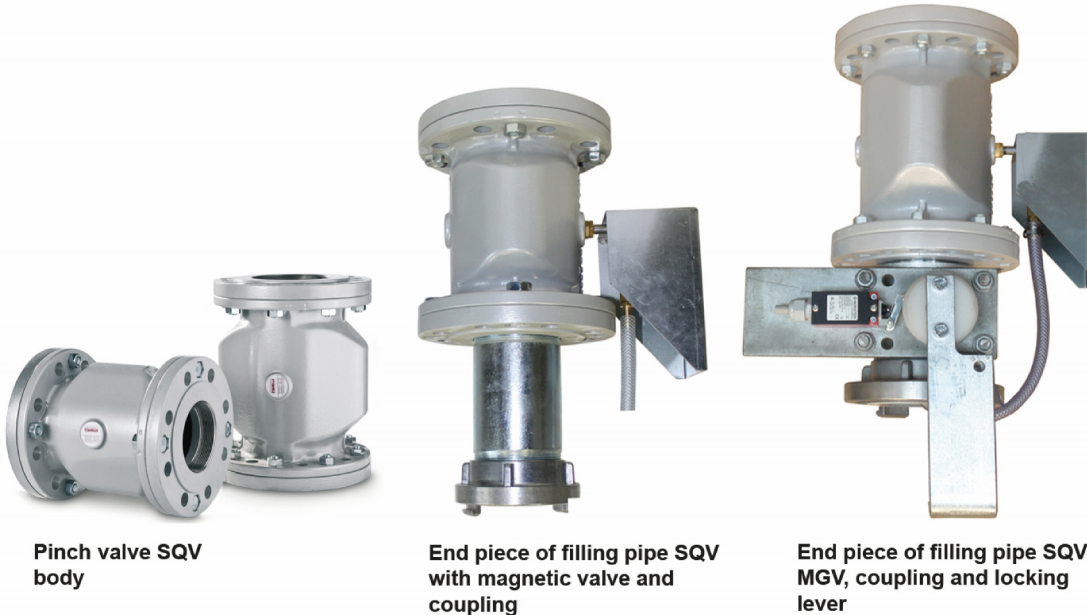


PINCH VALVE SQV / FILLING PIPE END PIECE
Safety device for pneumatic filling of silos



**Pinch valve SQV
body**

**End piece of filling pipe SQV
with magnetic valve and
coupling**

**End piece of filling pipe SQV
MGV, coupling and locking
lever**

Next to silos the pinch valves SQV are also used in several pneumatic conveying systems of the chemical and pharmaceutical industries, sand, concrete and cement industries, glass, ceramic and plastics industries as well as in dosage and weighing systems.

The basic valves are available from DN 40 to DN 200.

The exchangeable sleeve is available in different elastomers for most diverse requirements. The housing and cone flanges of the valves are available in aluminum (standard), stainless steel or grey cast iron. As standard the sleeve is made of black natural rubber (NR), on request it is also available in white natural rubber (food-safe) and electrically conductive (ATEX).

The pinch valve closes by adding control air to the sleeve. By removing the control pressure the sleeve opens up to its full cross section. The design of the housing ensures proper closing of the sleeve and therefore safeguards the product flow to be shut-off absolutely tight as well as a maximum service life of the sleeve. Even larger solid particles are tightly covered and shut off.

Areas of Application

Details / Explanation

Functionality

Advantages:

- free flow path without narrowings and jams
- no significant pressure loss
- free of dead space
- no clogging
- sleeve is easy to change
- leakage-free

Operating pressure:	max. 6 bar DN 40 to DN 100, max. 4 bar DN 125 to DN 200
Control pressure:	approx. 2 bar higher than operating pressure
Control air connection:	G 1/4"
Connection:	Flange DIN 2576, PN 10
Housing:	Aluminum, alternatively grey cast iron or stainless steel
Hose sleeve:	Natural rubber NR, alternatively white natural rubber / electrically conductive

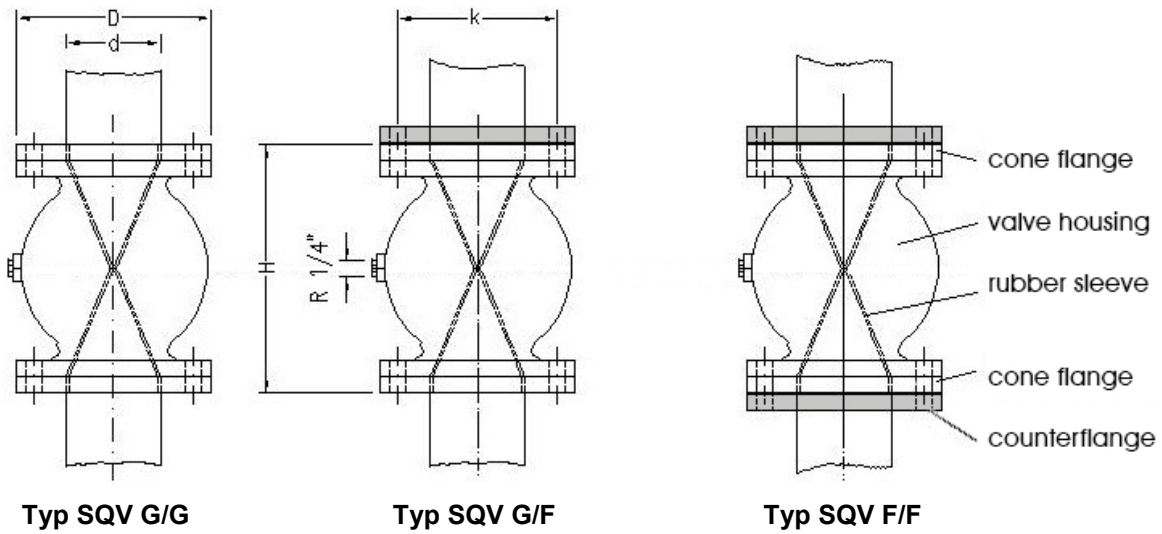
Technical specifications

Options / Special versions

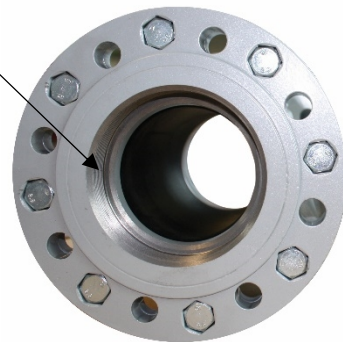
Options

- Lockable locking lever with limit switch and padlock on site.
- Blind cover fixed coupling
- Pressure switch in control line
- Calming pipe 1m inlet
- ATEX
- MGV 24 V DC normally open / closed
- MGV 24 V AC normally open / closed

Dimensioned drawing basic version:



Typ G
(thread)



Typ F
(flange)



Measurement chart SQV – body

DN	Typ SQV G/G Art No.	weight [kg]Alu	Typ SQV G/F Art No.	weight [kg]Alu	Typ SQV F/F Art No.	weight [kg]Alu	K [m m]	D [mm]	D [mm]	H [mm]	Vol/l
40	801 10 021	3,1	801 10 160	3,3	801 10 059	5	110	150	1 ½"	155	0,3
50	801 10 150	3,9	801 10 161	4,3	801 10 089	5,5	125	165	2"	165	0,8
65	801 10 151	5,3	801 10 162	5,7	801 10 017	6	145	185	2 ½"	185	1,1
80	801 10 006	8	801 10 079	8,4	801 10 078	9	160	200	3"	225	2,2
100	801 10 007	11	801 10 008	11,5	801 10 077	11,9	180	220	4"	280	3,9
125	801 10 152	14,2	801 10 163	14,6	801 10 072	15,2	210	250	5"	350	4,5
150	801 10 153	21,1	801 10 124	21,6	801 10 080	22,7	240	285	6"	420	6,5
200	801 10 154	34,4	801 10 164	35,2	801 10 168	36,1	295	340	8"	560	16,1
Mounting flange: drilling diagram acc to. DIN 2576, PN 10											

**STANELLE end piece of filling pipe – STANDARD -
Further combinations / versions on request**

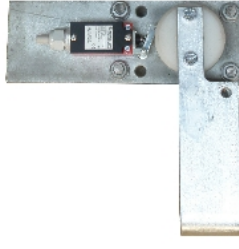
DN	End piece of filling pipe without locking lever G/F 230 V / AC open B or A coupling Art-No.
80	801 10 052
100	801 10 058
DN	End piece of filling pipe without locking lever G/F 24 V / DC open B or A coupling Art-No.
80	801 10 050
100	801 10 056

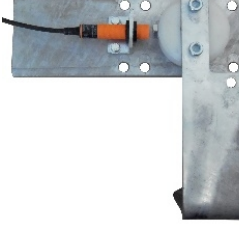


DN	End piece of filling pipe without locking lever G/F 230 V / AC open B or A- coupling Art No.
80	801 10 099
100	801 10 092
DN	End piece of filling pipe without locking lever G/F 24 V / DC open B or A- coupling Art No.
80	801 10 102
100	801 10 094





Equipment / Spare parts


DN	Locking lever filling pipe with limit switch mechanical + cams Art-No.	
50	801 10 172	
65	801 10 171	
80	801 10 014	
100	801 10 012	
125	801 10 170	
150	801 10 013	

DN	Locking lever filling pipe / limit switch contact-free Art-No.	
50	on request	
65	on request	
80	801 10 014 - 01	
100	801 10 012 - 01	
125	on request	
150	on request	

DN	Cover plate for solenoid valve Art-No.	
all	801 10 005	

	Art Nr.	Solenoid valve 24 V DC / 230 V AC 50Hz normally Closed NC	Solenoid valve 24 V DC / 230 V AC 50Hz Normally Open NO	
24V DC	881 10 024		X	
24V DC	801 10 036	X		
230V AC	801 10 035	X		
230V AC	881 10 005		X	


DN	Limit switch mechanical Art-No.	Standard	ATEX Zone 21/1
all	Standard 881 10 018		
	ATEX Zone 21/1 881 10 018 - 01		

DN	Cams for mechanical limit switch Art-No.	
all	801 10 107	

DN	Contact-free limit switch *1 24 V / DC Art No.	
all	881 10 270	


DN	Cams for contact-free limit switch *1 Art No.	
all	801 10 107 - 01	

*1 Applicable for customer's control or special execution Stanelle ÜFS

DN	Sleeve NR Art No.	
40	801 10 084	<p>Operating temperature -10°C bis +80°C</p> 
50	801 10 022	
65	801 10 022	
80	801 10 002	
100	801 10 001	
125	801 10 081	
150	801 10 082	
200	801 10 083	


DN	Cone flange with thread Art No.	
50	801 10 180	
65	801 10 181	
80	801 10 003	
100	801 10 018	
125	801 10 112	

Cone flange
with thread



DN	Cone flange without thread Art No.	
50	801 10 138	
65	801 10 129	
80	801 10 087	
100	801 10 086	
125	801 10 113	

Cone flange
without thread




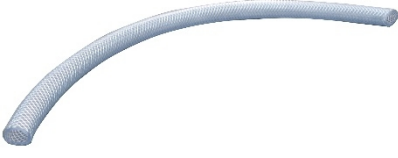
DN	Fixed coupling IG nach DIN ISO 228 Art No.	
50	C-Kupplung 2" IG	871 10 027
65	C-Kupplung 2 1/2" IG	871 10 076
80	B-Kupplung 3" IG	871 10 003
100	A-Kupplung 4" IG	871 10 043
125	Kupplung 5" IG	871 10 074
150	Kupplung 6" IG	871 10 078




DN	Blind coupling with chain Art No.	
50	on request	
65	on request	
80	881 10 131	
100	801 10 133	
125	on request	
150	on request	



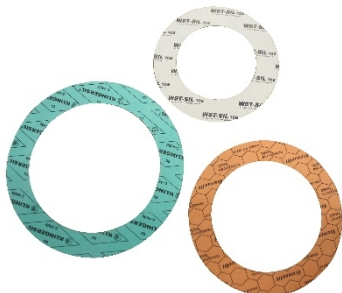
DN	Pressure switch for control line Art No.	
all	732 10 018 - 01	


DN	Air hose Art No.	
all	801 10 085	

DN	Double nipples (only for versions G/G, G/F) Art No.	
50	on request	
65	on request	
80	891 10 002	
100	891 10 008	
125	on request	
150	on request	

DN	Single nipple with flange Art No.	
all	on request	

DN	Calming pipe 1m Art No.	
all	on request	

DN	Klingerit gaskets PN10 with bolts and nuts Art No.	
50	on request	
65	891 10 158	
80	891 10 117	
100	891 10 118	
125	891 10 156	
150	on request	

DN	Assembly paste appr. for easy exchange of rubber sleeve Art No.	
all	801 10 127	