

**SCHÜTTE SWING VALVE
TYPE KU STD**



SCHÜTTE SWING VALVE TYPE KU STD

GENERAL

Technical data

- Nominal sizes: - DN 100 – DN 400
- Flange sizes: - DIN 2501 PN10
 - ANSI B 16.5, Class 150 lbs
- Operation: - manual (hand lever)
 - pneumatical
 - hydraulic
 - electromotive
 - option
 - automatic motion including linear positioner
 - Explosion proof
- Temperature: - -20°C up to +270°C, Standard
 - 900°C, HT-version Depending on sealing material and housing construction
- Pressure test: - - body as per DIN 3230-3-Group B, leakage rate 1
 - seat as per DIN 3230-3-Group B, leakage rate 2

Available materials:

- Body: - Aluminium LM16
 - Cast iron CI, GGG 40 max. 150°C, max. 1,5 bar
 - Cast steel CS, GS 17CrMo55 max. 300°C
 - Stainless steel SS304/SS316 max. 500°C
 - Stainless steel CF8M (1.4408) max. 300°C
 - Special materials on request max. 900°C
- Gate:
 - Stainless steel 1.4301, 1.4401, 1.4571
 - Special materials and coating on request
- Sealing:
 - EPDM up to 130°C
 - FKM (Viton) 200°C
 - PTFE 260°C
 - metallic >260°C - max. 800°C
 - MVQ 160°C
 - MVQ HT 280°C
 - on request

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Properties

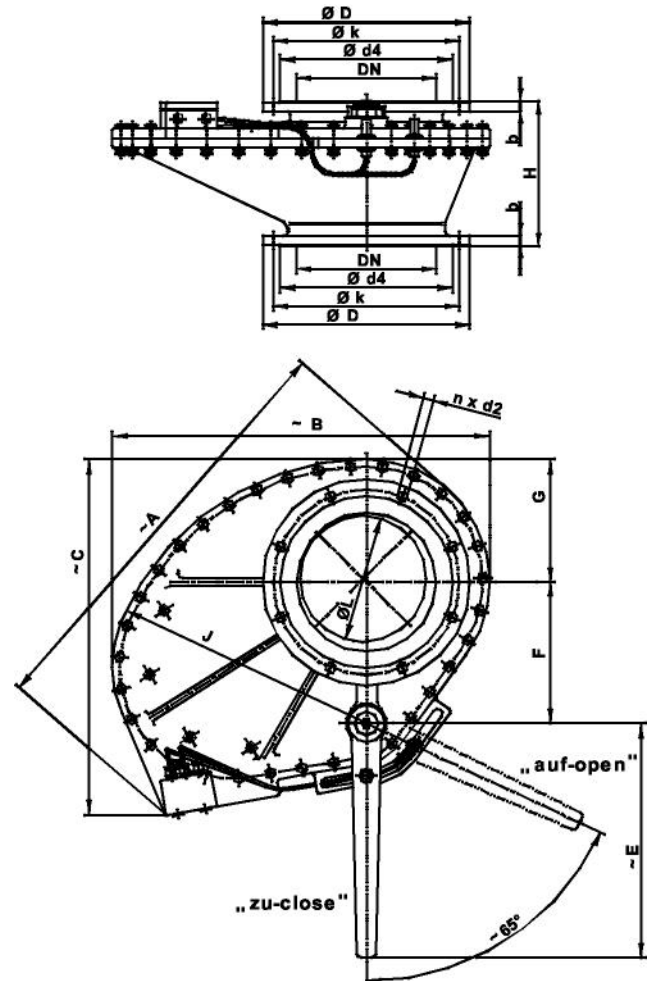
- Usage:
 - emergency stop valve
 - bunker closure valve
 - batch valve
 - maintenance valve
- Bulk material: - dry and free flowable bulk solids, free flowable powder, granulate, chemicals
- features: - single part casting with working inside the housing
 - long operating life of inlet sealing
 - perfect cutting of free flowing bulk solids
 - cutting against standing columns
 - various installation positions
 - short closure- and opening times =2 sec.
 - ATEX approval
- max. pressure:
 - 1,5 bar pü at mean to small switching cycle

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DATA SHEET

Manual operated

DN	weight (kg)	
	Al	CS/SS
100	28	40
150	30	52
200	47	95
250	62	107
300	83	141
400	120	205

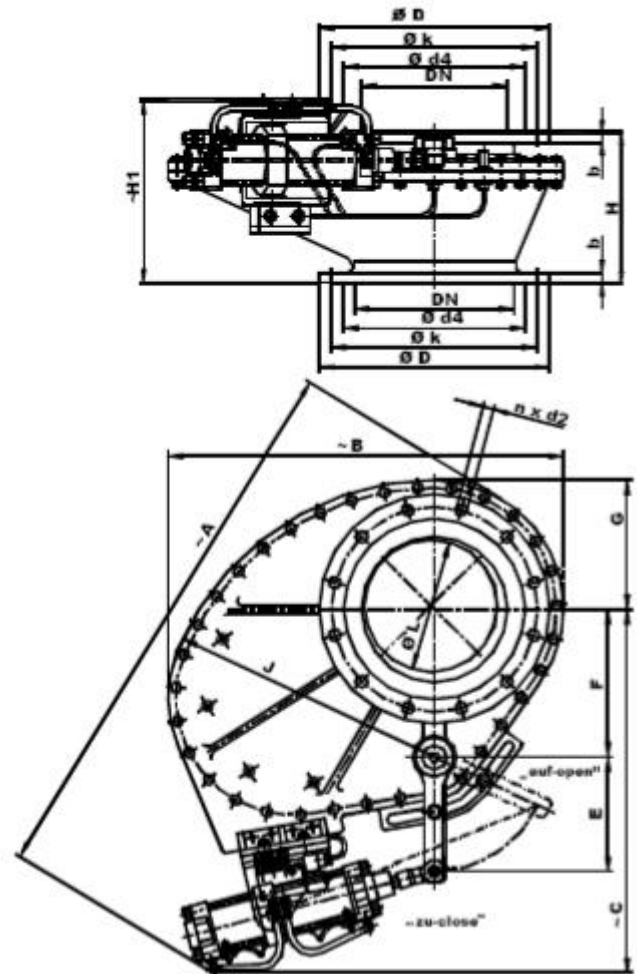


DN	Flange	Ø D	Ø k	Ø d4	n x d2	b	~A	~B	~C	~E	F	G	H	J	Ø L
100	PN10	220	180	158	8xØ18	16	540	420	426	330	125	133	155	258	85
	ANSI	228,6	190,5	157,2	8xØ3/4"										
150	PN10	285	240	212	8xØ22	18	605	463	504	330	155	154	192	309	135
	ANSI	279,4	241,3	215,9	8xØ7/8"										
200	PN10	340	295	268	8xØ22	20	735	555	556	430	210	195	240	405	176
	ANSI	342,9	298,4	269,7	8xØ7/8"										
250	PN10	395	350	320	12xØ22	22	810	606	610	430	250	225	290	475	220
	ANSI	406,4	361,9	323,9	12xØ1"										
300	PN10	445	400	370	12xØ22	22	876	731	670	500	305	265	312	570	272
	ANSI	482,6	431,8	381	12xØ1"										
400	PN10	565	515	482	16xØ26	26	1000	964	914	500	400	298	374	598	375
	ANSI	596,9	539,8	469,9	16xØ1 1/8"										

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DATA SHEET

Electropneumatically operated

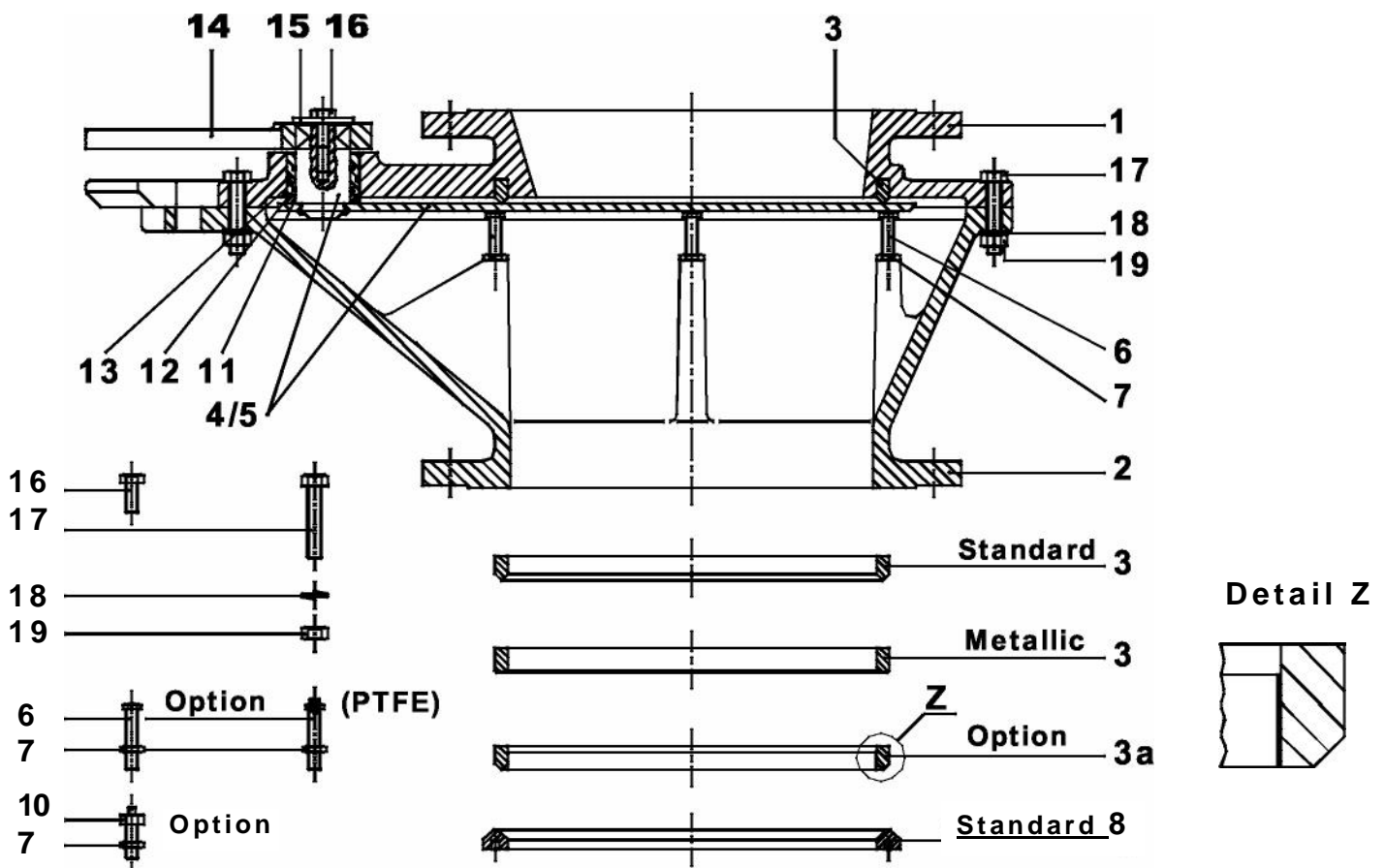


DN	weight (kg)	
	AI	CS/SS
100	28	43
150	30	56
200	47	99
250	62	112
300	83	146
400	120	212

DN	Flange	Ø D	Ø k	Ø d4	n x d2	b	~A	~B	~C	E	F	G	H	H1	J	Ø L
100	PN10	220	180	158	8xØ18	16	760	370	560	135	125	133	155	245	258	85
	ANSI	228,6	190,5	157,2	8xØ3/4"											
150	PN10	285	240	212	8xØ22	16	804	463	595	137	155	154	192	270	309	135
	ANSI	279,4	241,3	215,9	8xØ7/8"											
200	PN10	340	295	268	8xØ22	20	960	400	620	180	210	195	240	310	405	176
	ANSI	342,9	298,4	269,7	8xØ7/8"											
250	PN10	395	350	320	12xØ22	22	1020	455	660	195	250	225	290	360	475	220
	ANSI	406,4	361,9	323,9	12xØ1"											
300	PN10	445	400	370	12xØ22	22	1142	811	750	235	305	265	312	380	570	272
	ANSI	482,6	431,8	381	12xØ1"											
400	PN10	565	515	482	16xØ26	26	1340	964	914	226	400	298	374	460	598	375
	ANSI	596,9	539,8	469,9	16xØ1 1/8"											

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SPARE PARTS LIST



Part	Description
1	Housing - Top
2	Housing - Bottom
3	Slide ring Standard / metallic (option)
3a	Scraper bevor ring seal (option)
4/5	Slide blade with welded - on axle
6	Supporting bolts (option)
7	Jam nuts
8	Supporting ring Standard
10	Supporting bolts for supporting ring

	Description
11	Axle seal (option)
12	O-Section ring seals
13	Axle box
14	Operating lever
15	Thrust washer
16	Hexagon head bolt - lever fastening
17	Hexagon head bolt
18	Snap ring
19	Hexagon head nuts