

Knife Gate Valve SCH-AB Steel Stainless Steel



Nominal Pressure: PN 10 / 16
Wafer type
Flanges acc. to DIN EN 1092-1 B1
Body: Stainless Steel (CF8M)
Cast Iron (GJL-250)
Gate: Stainless Steel (AISI316/AISI304)
Sealing: EPDM
Bidirectional
Operation: Handwheel, Gear Box,
Chainwheel or Actuator

Nominal Diameter	Nominal Pressure
DN50	PN 10/16
DN65	PN 10/16
DN80	PN 10/16
DN100	PN 10/16
DN125	PN 10/16
DN150	PN 10/16
DN200	PN 10/16
DN250	PN 10/16
DN300	PN 10/16
DN350	PN 10/16
DN400	PN 10/16
DN450	PN 10/16
DN500	PN 10/16
DN600	PN 10/16

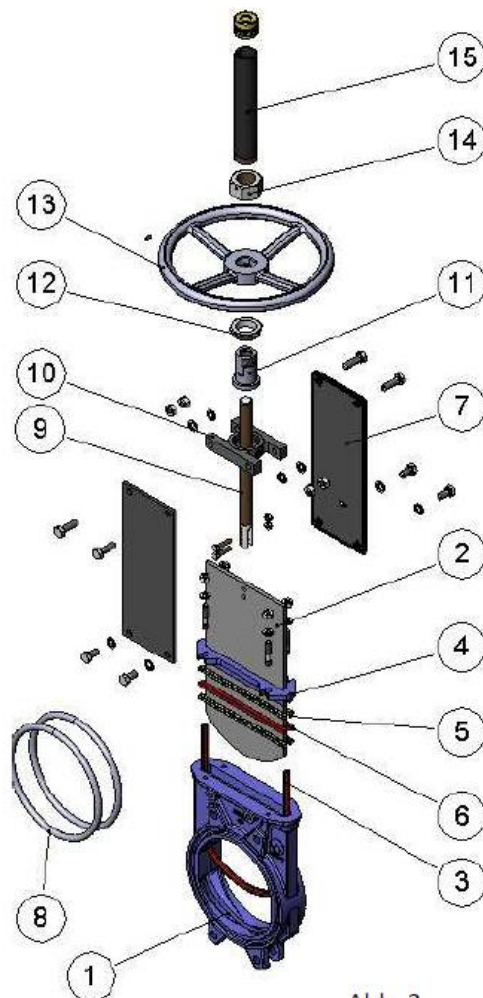


Abb. 2

Standard Components List			
No.	Part Name	Cast Iron Version	Stainless Steel Version
1	Body	GJL-250	CF8M
2	Gate	AISI304	AISI316
3	Seat	EPDM	EPDM316
4	Packing gland	GJS-500	CF8M
5	Packing	Synt. + PTFE	Synt. + PTFE
6	O-ring seal	EPDM	EPDM
7	Support plates	S275JR	S275JR
8	O-ring	NITRILE	NITRILE
9	Stem	AISI303	AISI303
10	Yoke	Steel	Steel
11	Stem nut	Bronze	Bronze
12	Check nut	ST44.2+Zinc	ST44.2+Zinc
13	Handwheel	Nodular Cast iron	Nodular Cast iron
14	Nut	Steel	Steel
15	Hood	Steel	Steel

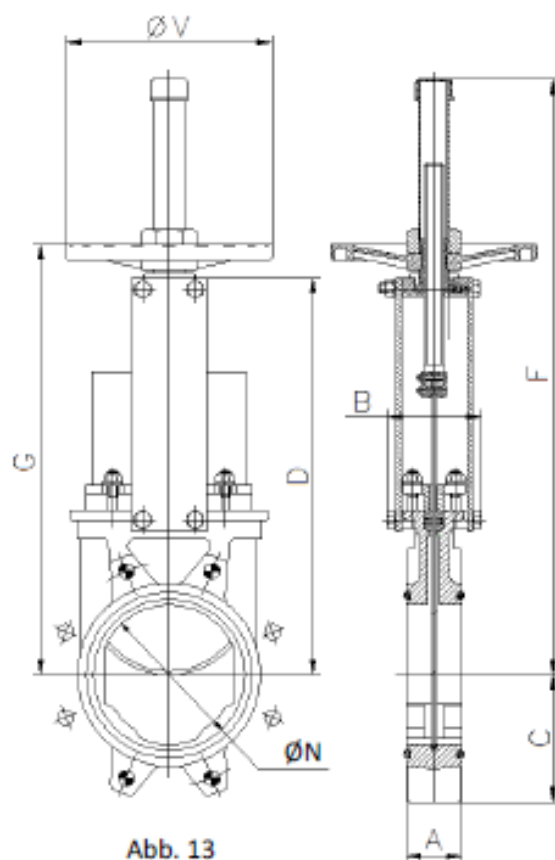


Abb. 13

DN	Δp (kg/cm ²)	Draw (Nw)	Torque (Nm)	A	B	C	D	F	G	$\varnothing V$	Weight (kg)
50	10	1143	2,64	40	91	61	241	410	280	225	7
65	10	1952	4,45	40	91	68	268	437	308	225	8
80	10	2957	6,76	50	91	91	294	463	333	225	9
100	10	4617	10,5	50	91	104	334	503	373	225	11
125	10	7213	16,5	50	101	118	367	586	407	225	13
150	10	7290	16,6	60	101	130	419	638	458	225	17
200	8	12975	37,1	60	118	159	525	816	578	325	28
250	6	14522	41,4	70	118	196	626	1017	679	325	40
300	6	20942	59,8	70	118	230	726	1117	779	380	56
350	5	22810	88,5	96	290	254	797	1337	906	450	94
400	5	29879	115,9	100	290	287	903	1443	1012	450	116
450	3	28461	110,3	106	290	304	989	1629	1098	450	162
500	3	35333	137,1	110	290	340	1101	1741	1210	450	187
600	3	51235	198,6	110	290	398	1307	2047	1416	450	260