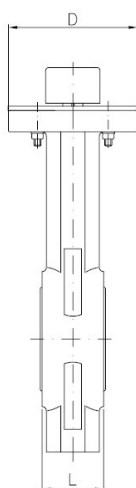
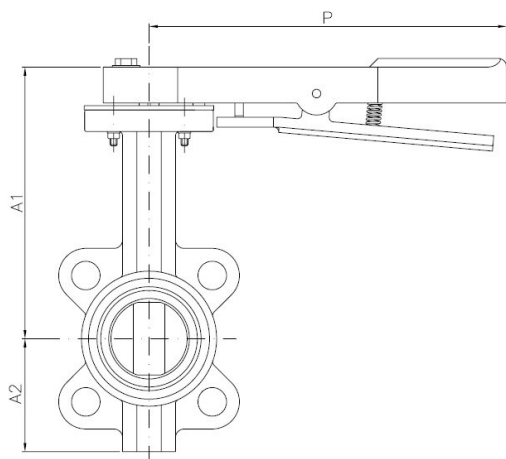




BUTTERFLY VALVES

GENEBRE PART: 2103 WAFER BUTTERFLY VALVE WITH IRON DISC



SPECIFICATIONS

1	Body in cast iron (GG-20) EPOXY PAINTED
2	Disc in ductile iron (GG-40) ZINC PLATED
3	Liner in EPDM
4	Face to Face to DIN 3202-K1
5	ISO 5211 actuator mounting flange
6	Semi-lugged wafer pattern body
7	Mounts between PN10/16 & ASA150

DIMENSIONS

AVOL REF	SIZE mm	PN Bar	L mm	A1 mm	A2 mm	P mm	ISO5211 'F' x Stem Sq x Stem height	Torque Nm*	Wt Kg
2103 09	2"	16	43	200	75	270	F07 X 11 X 30	12	4.10
2103 10	2 1/2"	16	46	200	85	270	F07 X 11 X 30	20	4.40
2103 11	3"	16	46	200	100	270	F07 X 11 X 30	27	4.80
2103 12	4"	16	52	220	120	270	F07 X 14 X 30	39	6.40
2103 13	5"	16	56	250	125	270	F07 X 14 X 30	58	7.90
2103 14	6"	16	56	250	150	300	F07/10 X 17 X 30	90	10.30
2103 16	8"	16	60	300	150	300	F07/10 X 17 X 30	120	15.20
2103 18	10"	16	68	330	200	300	F10 X 22 X 40	180	22.10
2103 20	12"	16	78	360	250	Gear	F10/12 X 22 X 40	350	41.50
2103 22	14"	10	78	390	260	Gear	F12 X 22X 45	640	57.50
2103 24	16"	10	102	420	300	Gear	F14 X 27 X 45	805	77.60
2103 26	18"	10	114	445	330	Gear	F14 X 27 X 45	1100	118.50
2103 28	20"	10	127	480	370	Gear	F14 X 36 X 45	1500	151.50

* Torque is without safety

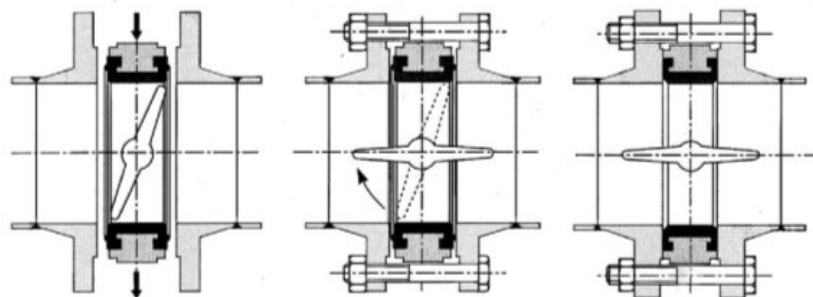


BUTTERFLY VALVES

GENEBRE PART: 2103 WAFER BUTTERFLY VALVE WITH IRON DISC

Cv HEAD LOSS RELATIVE TO DISC OPENING ANGLE									
SIZE	90°	80°	70°	60°	50°	40°	30°	20°	10°
2"	144	114	84	61	43	27	16	7	1
2 1/2"	282	223	163	107	67	43	24	11	1.5
3"	461	364	267	154	96	61	35	15	2
4"	841	701	496	274	171	109	62	27	3
5"	1376	1146	775	428	268	170	98	43	5
6"	1850	1542	1025	567	354	225	129	56	6
8"	3316	2842	1862	1081	680	421	241	102	12
10"	5430	4525	2948	1710	1076	667	382	162	19
12"	8077	6731	4393	2563	1594	1005	555	235	27
14"	10538	8874	5939	3384	2149	1320	756	299	34
16"	13966	11761	7867	4483	2847	1749	1001	397	45
18"	17214	14496	10065	5736	3643	2237	1281	507	58
20"	22339	18812	12535	7144	4536	2786	1595	632	72

INSTALLATION INSTRUCTIONS



Part open the valve but ensure that the disc does not protrude beyond the liner otherwise the edge of the disc can be damaged when inserting the valve between the flanges.

DO NOT USE A GASKET

Open the valve fully once it is in position BEFORE the bolts are tightened. Ensure the flanges are aligned / parallel with each other.

Tighten the bolts opposite each other to ensure the flange faces are tightened in parallel.