

VF1100 - FLUE GAS BUTTERFLY VALVES UP TO 1000°C

Flue gas butterfly valves, temperatures up to 1000 ° C and maximum 3 bar operating pressures.

Applications:

- Waste to energy plants and incinerators
- Cogeneration, biomass and biogas plants
- steel, glass, chemical and petrochemical industries
- Filtration and dust suppression



TECHNICAL SPECIFICATIONS

Construction materials: Stainless Steel AISI 310 max temperature = 900°C
Stainless Steel AISI 321 max temperature = 750°C
INCONEL max temperature = 1000°C

Diameters: from DN50 to DN1000 (Larger diameters on request)

Process connections: wafer or flange PN6, PN10, ANSI 150, Solder

Sealing class:	I, II e III according to FCI 70-2		
	DN	Class	FCI 70-2
Metal/metal sealing	from DN50 to DN300	I	Relative seal
	from DN350 to DN1000	II	< 0.5% Kvs
Without jamb / No seat	from DN50 to DN 1000	I	Relative seal
	from DN50 to DN 200	I	Relative seal
Ceramic fiber sealing	from DN250 to DN450	II	< 0.5% Kvs
	from DN500 to DN1000	III	< 0.1% Kvs

Executions: Manual handwheel, with pneumatic or electric actuator ISO 5210-5211

Options:
- prepared for external insulation
- ATEX conformity 94/9 / EC Group II Category 3 Zones 2 and 22 - II 3 GD



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VF1100 DIMENSIONS

DN	Pmax bar	Diam. Int.	D	B	B1	CH	H
50 - 2"	3	54	64	500	465	11	14
65 - 2"1/2	3	70	64	508	473	11	14
80 - 3"	3	83	64	515	480	11	14
100 - 4"	3	108	64	527	492	11	14
125 - 5"	3	138	64	540	505	11	14
150 - 6"	3	160	140	584	554	14	17
200 - 8"	3	211	140	610	580	14	17
250 - 10"	2	265	140	637	607	14	17
300 - 12"	2	316	140	662	632	14	17
350 - 14"	2	350	140	741	691	22	20
400 - 16"	2	400	140	766	716	22	20
450 - 18"	1	450	190	791	741	22	20
500 - 20"	1	500	190	816	766	22	20
600 - 24"	1	600	190	866	816	22	20
700 - 28"	1	700	190	916	866	22	20
800 - 32"	0.5	800	190	1048	978	27	25
900 - 36"	0.5	900	240	1098	1028	27	25
1000 - 40"	0.5	1000	240	1148	1078	27	25

The dimensions are subject to change without notice. Preliminary designs are supplied after order.

Custom constructions based on the operating temperature

DN	Weight kg		Max Torque Nm **	ISO 5210 (E)	ISO 5210 (E1)
	Flanged	Wafer			
50 - 2"	6	5.5	8	F05	
65 - 2"1/2	7	6.5	8	F05	
80 - 3"	10	9	8	F05	
100 - 4"	14	13	8	F05	
125 - 5"	20	18	10	F05	
150 - 6"	27	24	10	F07	F05
200 - 8"	31	27	15	F07	F05
250 - 10"	34	29	18	F07	F05
300 - 12"	38	33	22	F07	F05
350 - 14"	59	53	26	F10	F07
400 - 16"	63	56	30	F10	F07
450 - 18"	67	59	35	F10	F07
500 - 20"	80	71	42	F10	F07
600 - 24"	92	82	55	F10	F07
700 - 28"	112	98	68	F10	F07
800 - 32"	173	157	77	F14	F12
900 - 36"	190	171	89	F14	F12
1000 - 40"	215	194	104	F14	F12

** Torque without safety factor, plus 40%



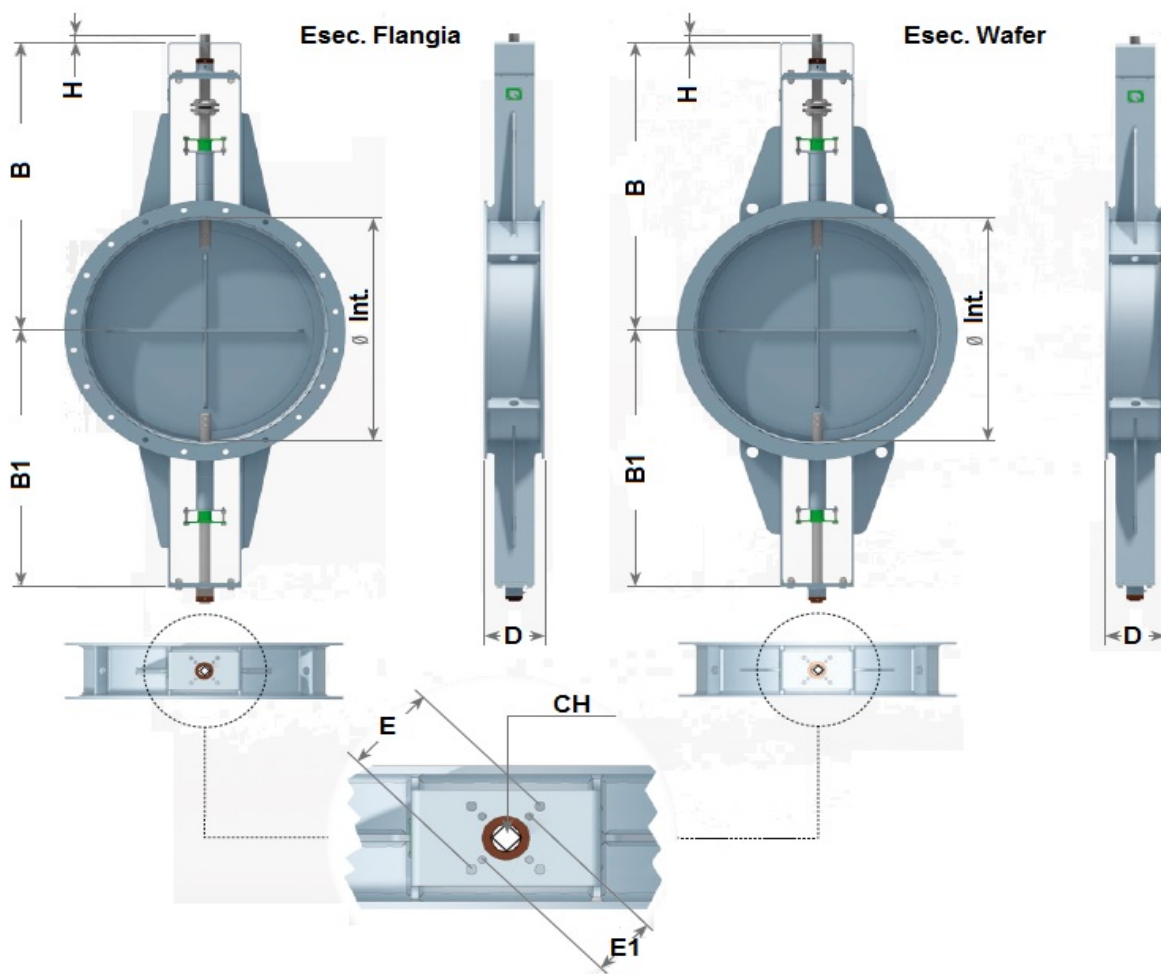
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