

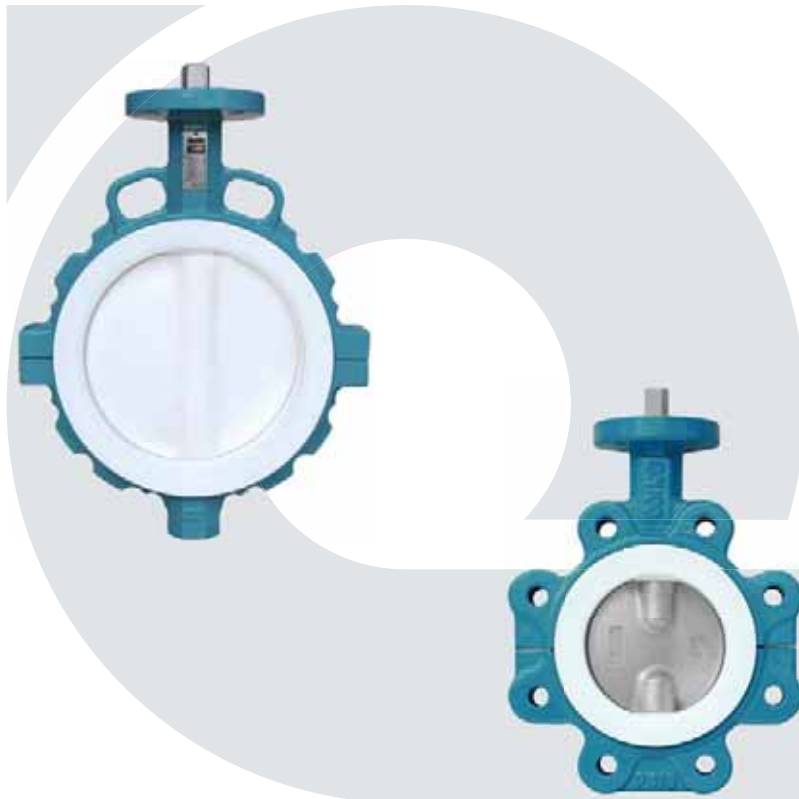
2pc PTFE lined butterfly valves



English

Fig.225 : Wafer

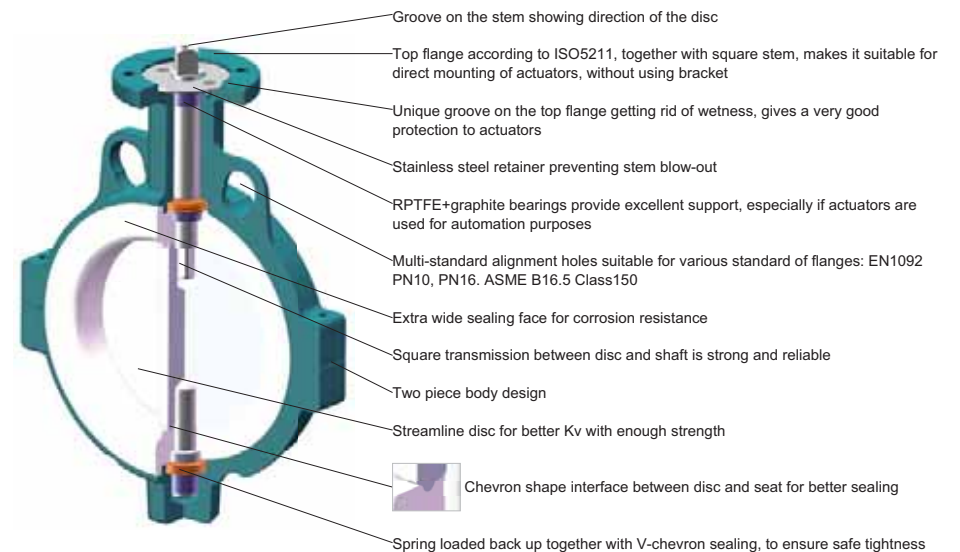
Fig.226 : Lug



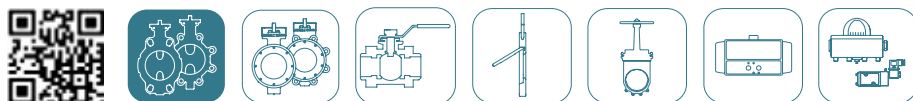
Coreline Fig.225/226 2pc PTFE lined butterfly valves are used to shut-off, throttle and regulate highly corrosive gases, liquids, slurries and powders providing a bubble tight shut-off. These valves are designed to handle a variety of applications in the semi conductor, chemical, petrochemical, pulp and paper, mining, food and beverage, sugar refining, sewage, air pollution control, oil and gas and shipbuilding industries. Coreline designed 2pc PTFE lined butterfly valve is therefore your best choice for controlling highly corrosive and abrasive fluids.

Specifications

Connection:	Fig.225 wafer, Fig.226 lug
Nominal diameter:	DN50-DN500
Standard differential pressure:	10bar
Maximum differential pressure:	16bar for DN50-DN300 10bar for DN350-DN500
Flange accommodation:	EN1092 PN10, PN16. ASME B16.5 Class150
Face to face:	EN558 Series 20, API609 Table 1
Top flange:	ISO5211
Temperature range:	-10 to +180 (Depending on pressure, medium and material)
Body:	Ductile iron, carbon steel, stainless steel
Disc:	PTFE, SS304, SS316, SS316L, EN 1.4410, EN 1.4529
Seat:	PTFE with EPDM backup, PTFE with VITON backup

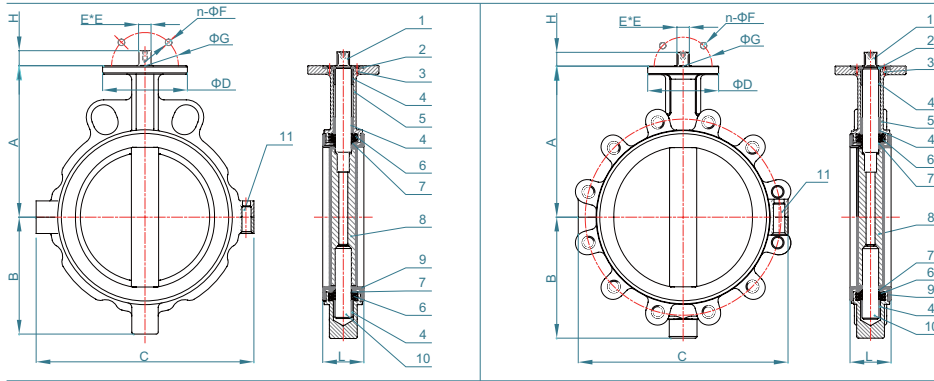


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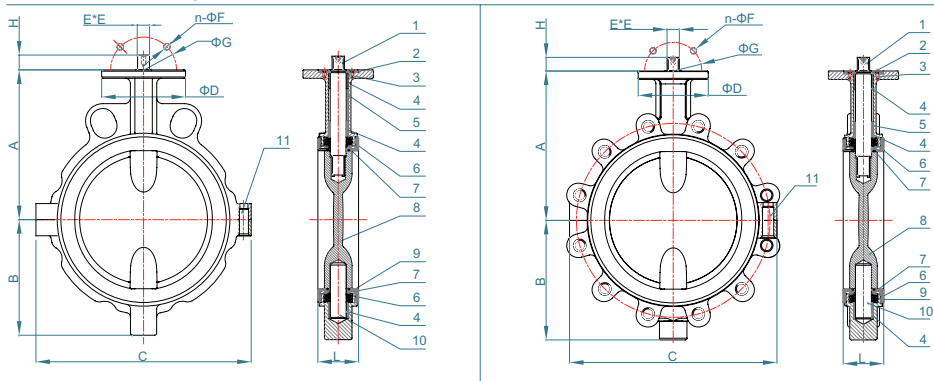


Dimensions

Fully lined butterfly valve



Half lined butterfly valve



Dimensions

Size	A	B	C	D	E	F	n	G	H	L
DN50	138	74	130	65	11	7	4	50	13.5	47
DN65	140	82	150	65	11	7	4	50	13.5	50
DN80	140	90	164	65	11	7	4	50	13.5	50
DN100	160	116	188	90	14	9	4	70	17.5	55.5
DN125	175	133	220	90	14	9	4	70	17.5	59
DN150	189	146	252	90	17	9	4	70	18.5	59
DN200	230	180	305	125	22	11	4	102	24.5	63
DN250	260	217	370	125	22	11	4	102	24.5	73
DN300	302	254	430	140	27	11	4	102	26.5	81
DN350	333	275	470	140	27	14	4	125	30.5	81
DN400	408	311	565	175	27	18	4	140	30.5	91
DN450	410	338	620	210	36	22	4	165	39	110
DN500	495	375	695	210	46	22	4	165	49	130

Material part list, installation guide

Material part list

NO.	Part name	Material
1	Upper stem	Stainless steel
2	Preventing plate	Stainless steel
3	Screw	Stainless steel
4	Bushing	PTFE with graphite reinforced
5	Body	Ductile iron, carbon steel, stainless steel
6	Disc spring	Stainless steel
7	Washer	PTFE
8	Disc	PTFE, SS304, SS316, SS316L, EN 1.4410, EN 1.4529
9	Seat	PTFE with EPDM backup, PTFE with VITON backup
10	Lower stem	Stainless steel
11	Screw	Stainless steel

Installation guide

- Check that the specifications on the identification plate meet the requirements regarding pressure, temperature and media.
- The piping must have a straight line and the flanges have to be parallel.
- There must be a distance between the flanges, corresponding to the face-to-face dimensions of the butterfly valve.
- The butterfly valve can be mounted in any direction.
- Before commissioning, the pipework has to be rinsed out to remove dirt and remnants of welding material, to avoid damage on the liner.
- Welding operations may not be performed nearby the butterfly valve, as welding drops can damage the liner.
- Carefully place the butterfly valve between the flanges, with the disc in closed position.
- Check that the flange covers the area of the liner. Afterwards tighten the bolt on the flange by hand.
- Carefully open and close the valve to check that the disc centralizes and the disc does not touch the flange. With the disc in the open position, tighten crosswise with a wrench.

