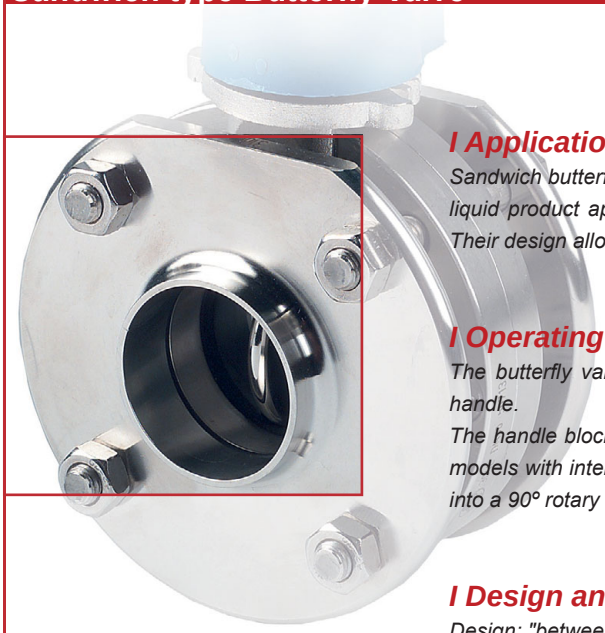
Sandwich type Butterfly Valve

4900



I Application

Sandwich butterfly valves, whether manually or automatically operated, can be used in most liquid product applications in the food-processing, pharmaceutical and chemical industries. Their design allows to easily install or remove the valve without separating the pipes.

I Operating principle

The butterfly valve can be operated automatically through an actuator or manually with a handle.

The handle blocks the valve in the "open" or "closed" position, although there are also other models with intermediate positions.The actuator transforms the axial movement of the piston into a 90º rotary movement which it transmits to the disc.

I Design and features

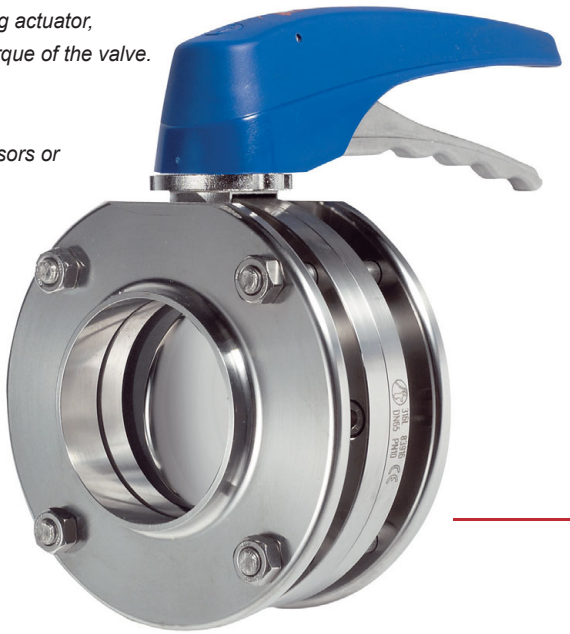
Design: "between flanges".
Compact and robust design.
Multi-position handle as standard feature for valves up to DN-100/4".
Two-position handle as standard feature for valves starting from DN-100/4".
Low pressure losses.
Body halves interchangeable with any connection type.
Connections: DIN 11850.
Traceability of components.

I Materials

Disc and body halves	*AISI 316L (forged)*
Handle	*AISI 304 / PP*
Other St.St. parts	*AISI 304*
Gasket	*EPDM according to FDA 177.2600*
Internal surface finish	*Ra ≤ 0,8 µm*
External surface finish	*Machined, Ra ≤ 1,2 µm*

I Options

AISI 304L valve.
Gaskets: NBR, VMQ or FPM.
Two sizes for two-position handle.
Handles: two-position, lever, micrometric, with safety lock, etc.
Electric actuator or single- or double-acting actuator,
the size is determined by the operating torque of the valve.
Electro-pneumatic positioner.
Inductive position sensors.
C-TOP control unit (inductive position sensors or microswitches).



INOXPA®

I Technical specifications

Available sizes	*DN 25 - DN 200*	*DN 1˝ - DN 6˝*
Max.working temperature	*-10 ºC to +120 ºC (EPDM)*	*14 ºF to 248 ºF*
	+140 ºC (SIP, max. 30 min)	*284 ºF*
Min.working pressure	*0,2 bar (P.abs)*	*3 PSI (P.abs)*
Max.working pressure	*10 bar (DN 25 - DN 100)*	*145 PSI (DN 1" - DN 4")*
	8 bar (DN 125 - DN 150)	*116 PSI (DN 6")*
	5 bar (DN 200)	

DN	25 1"	32	40 1½"	50 2"	2½"	65	3"	80	100 4"	125	150 6"	200
Operating torque [N·m]	8	9	10	14	15	18	18	20	25	55	70	90

Test pressure10 kg/cm²

I Dimensions

DN	d1	D	l	f	H	L
25	26	93	68	40	110	170
32	32	98	68	40	110	170
40	38	103	68	40	115	170
50	50	115	72	40	120	170
65	66	132	72	40	130	170
80	81	145	80	40	135	170
100	100	165	80	40	145	170
125*	125	191	120	70	147	270
150*	150	240	140	90	180	300
200*	200	290	126	76	200	320

DN	d1	D	l	f	H	L
1"	22,1	93	68	40	110	170
1½"	34,9	103	68	40	115	170
2"	47,6	115	72	40	120	170
2½"	60,3	117	72	40	120	170
3"	72,9	132	72	40	130	170
4"	97,4	165	80	40	145	170
6"*	146,8	240	140	50	180	300

* With two-position handle.