

PAPILLON9 Lined Butterfly Valve

Wafer & Lug Type
1 1/2" to 24"
DN 40 to 600

Min. thickness
lining:
3.0 - 3.5mm,
vacuumproof

Disc material
options: PFA,
PFA/ AS, SS,
SS polished,
SS e-polished,
Ti, Hastelloy C

Operating range:
-20C to 200C
0,1mbar to 10bar

TA Luft com-
pliant
acc to Pis 5.2.6.4

Atex compliant
acc to Group II,
Zone 0, 1, 2,
(resp 20, 21, 22)

FDA compliant
for food, pharma
or similar
industries

Actuation: Hand
lever lockable,
Worm gear
with handwheel,
pneumatic/
electric actuator

Abrasion
resistant options
available

Almost equal
percentage
control
characteristic

Wafer or Lug Style Butterfly Valve with PTFE Liner, PN 10/ ANSI Class150

Applications

The GFT9 lined butterfly valve type **PAPILLON9** is ideally suited for highly corrosive or abrasive applications, where superior performance, tight shut-off, an almost equal-percentage control curve and constant torque are required.

Thanks to its wide range of optional disc and body materials it is suitable to handle a multitude of applications across a large variety of industries like chemical, fine- and speciality chemical, pharmaceutical and food, fragrance and flavour, petro-chemical, pulp & paper and free-flowing, low-abrasive bulk materials.

Size range:
1 1/2" to 22" (DN 40 to DN 600)

Temperature range:
-20° C up to +200°C

Max operating pressure:
10 bar (DN 1 1/2" to DN 18"
6 bar (DN 20" and DN 24")

Face to face dimensions:
ISO 5752, Basic Range 20
DIN EN 558-1, Basis Range 20

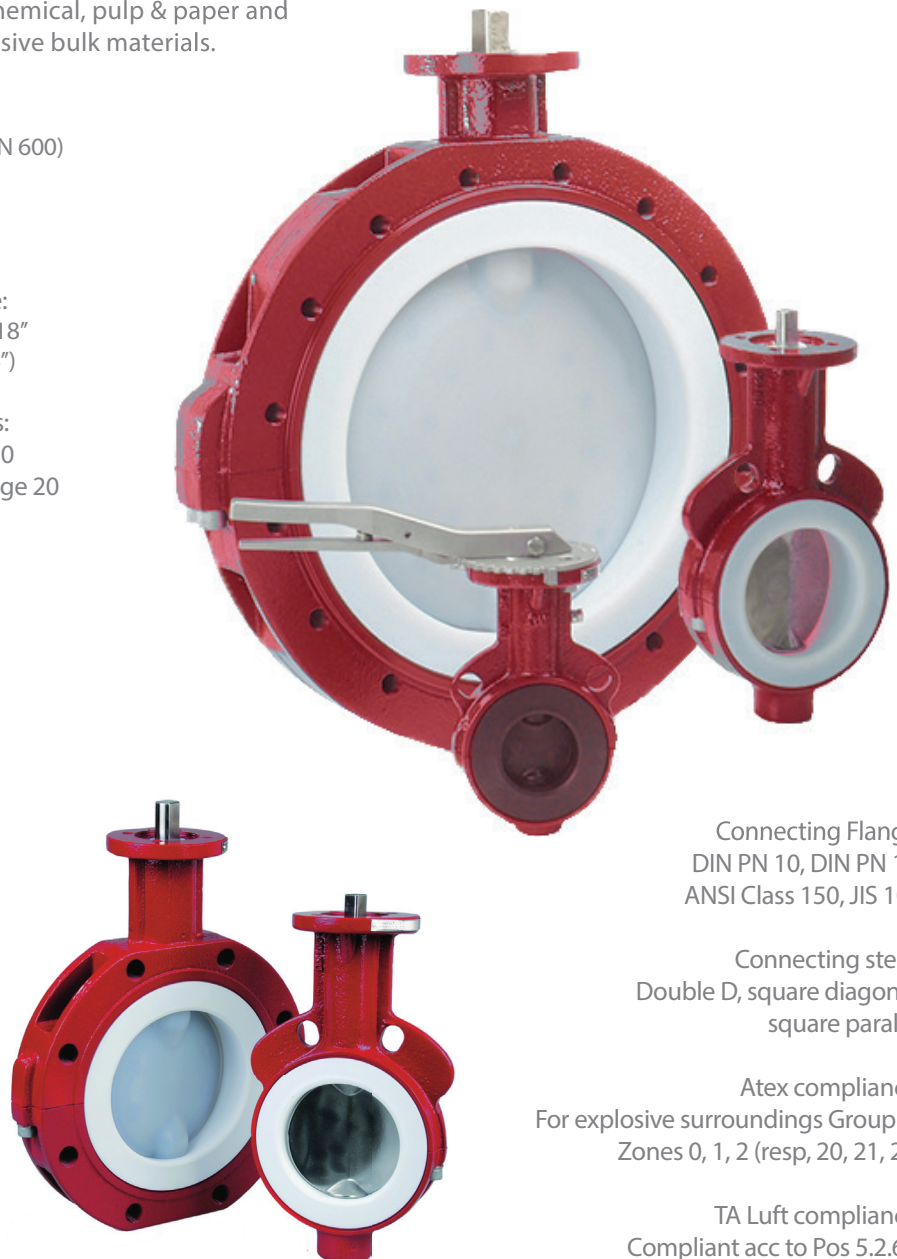
Body lining materials:
PTFE,
Antistatic PFA/ AS
UHMW-PE

Disc materials:
PFA, Antistatic PFA/ AS,
Stainless Steel and
e-polished on request

Headflange:
EN ISO 5211

The **PAPILLON9** is suitable as on/off, control or throttle device for corrosive, hazardous and pure fluids in liquid or gas form. The connecting dimensions are available in DIN and ANSI standards.

The standard design with hand lever can also be equipped with lockable hand lever, worm gear with handwheel or pneumatic/ electric actuator.



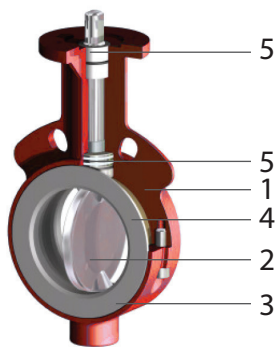
Connecting Flange:
DIN PN 10, DIN PN 16,
ANSI Class 150, JIS 10K

Connecting stem:
Double D, square diagonal,
square parallel

Atex compliance:
For explosive surroundings Group II,
Zones 0, 1, 2 (resp, 20, 21, 22)

TA Luft compliance:
Compliant acc to Pos 5.2.6.4

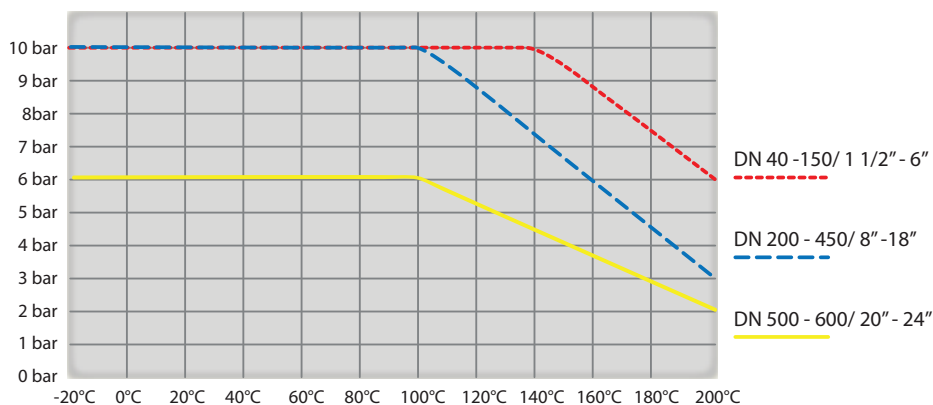
Parts List



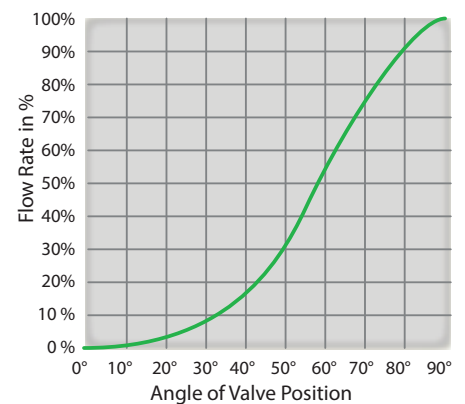
Pos.	Item	Material
1	Body	GGG 40.3, 1.4408 (CF-8M)/ 1.4301 (CF-8)
2	Disc	PFA, PFA/ AS, SS, SS polished *, Ti, Hastelloy C
3	Liner	PTFE, PTFE/ AS, UHMW-PE
4	Back-up	VMQ, FKM, EPDM
5	Bellow Packing	PTFE/TFM, PTFE/ AS

* e-polished on request

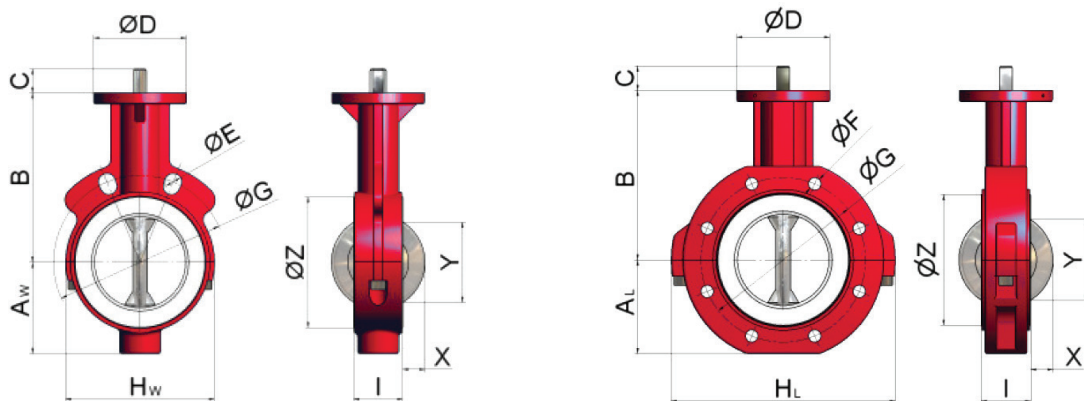
Pressure-Temperature-Diagram



Control Curve



Dimensions



Inch ANSI	A _w	A _L	B	C P2	D4/P4	øD DIN	øE DIN	øF DIN	øG DIN	øE ANSI	øF ANSI	øG ANSI	H _w	H _L	I	X	Y	Z	ISO	kg _w	kg _L	K _v	DN DIN
1.5"	53*	53	94	19	17	65	4x18	4xM16	110	2x16	4x1/2"	98.4	142*	142	33	7	34	76	F05	1.5	2.5	136	40
2"	56	58	130	19	17	90	2x18	4xM16	125	2x19	4x5/8"	120.6	104	153	43	6	31	85	F07	3.0	5.0	193	50
2.5"	67	65	146	19	17	90	2x18	4xM16 8xM16	145	2x19	4x5/8"	139.7	128	173	46	11	48	106	F07	4.0	7.0	266	65
3"	84	88	165	19	17	90	2x18	8xM16	160	2x19	4x5/8"	152.4	144	210	46	17	63	122	F07	5.0	8.1	392	80
4"	100	102	185	25	17	90	2x18	8xM16	180	2x19	8x5/8"	190.5	164	245	52	27	90	143	F07	6.3	10.8	585	100
5"	110	116	202	25	17	90	2x18	8xM16	210	2x22	8x3/4"	215.9	194	272	56	38	118	166	F07	7.7	14.5	1'015	125
6"	125	127	217	30	22	90	2x22	8xM20	240	2x22	8x3/4"	241.3	220	295	56	47	137	193	F07	10.0	15.8	1'495	150
8"	158	160	245	37	150	16x22	2x22	8xM20	295	2x22	8x3/4"	298.4	274	364	60	71	189	251	F10	16.5	24.6	3'050	200
10"	190	193	270	30	125	2x22	12xM20	250	2x26	12x7/8"	361.9	330	431	68	92	239	301	F10	24.5	33.3	4'510	250	
12"	225	227	308	30	125	2x22	12xM20	400	2x26	12x7/8"	431.8	380	511	78	112	290	349	F10	37.0	57	6'500	300	
14"	256*	256	330	37	150	16x22	16xM20	460	12x29	12x1"	476.2	571*	571	92	125	328	414	F12	87*	87	8'760	350	
16"	292*	292	365	37	150	16x26	16xM24	515	16x29	16x1"	539.7	643*	643	102	146	377	460	F12	107*	107	11'350	400	
18"	311*	311	400	50	175	20x26	20xM24	565	16x32	16x1-1/8"	577.8	684*	684	114	164	417	515	F14	152*	152	14'400	450	
20"	340*	340	435	50	175	20x26	20xM24	620	20x32	20x1-1/8"	635.0	745*	745	127	184	477	570	F14	185*	185	18'000	500	
24"	398*	398	510	64	210	20x30	20xM27	725	20x35	20x1-1/4"	749.3	863*	863	154	215	560	672	F16	254*	254	29'200	600	

* Body type: Lug (E), screw-in tap hole drill through

Other dimensions and valve sizes on request