

butterfly valves with pneumatic actuator series BUW4/6-/BULG/C-DVGW

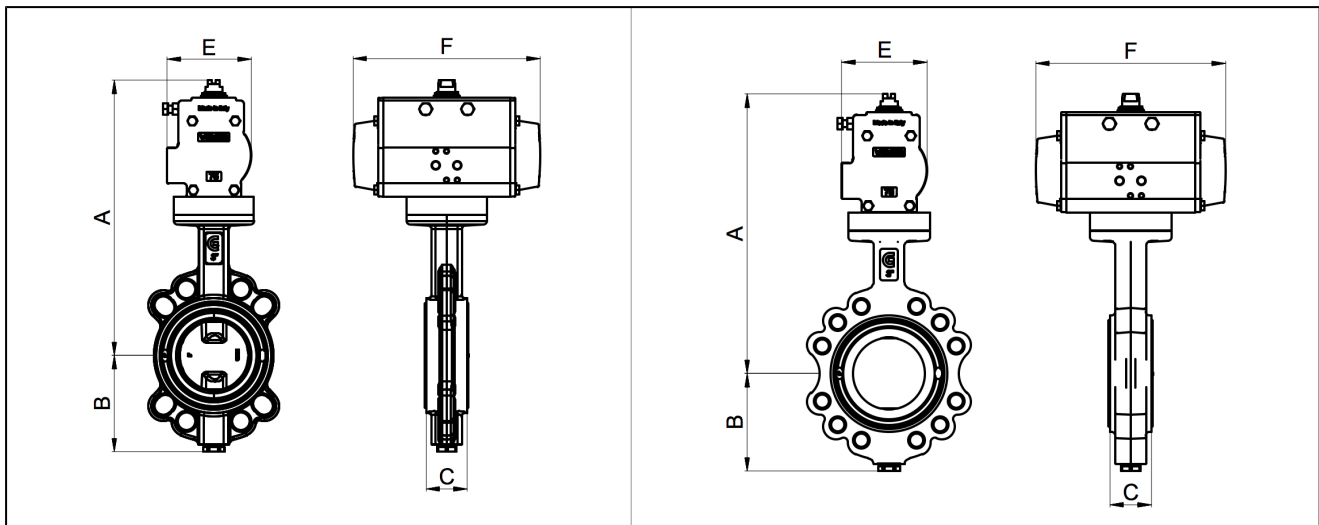


design	wafer respectively lug type butterfly valve with two-piece shaft, floating disc, power transmission by gear tooth system, shaft is protected against blow out by circlip
connection	flange according to EN1092
form of flange	wafer type: PN10/PN16/ANSI150 lug type DN40...DN150: PN10/PN16, DN200...DN300: PN10
length	according to EN558-1 line 20 (DIN3202-K1)
materials	actuator: hard-anodised aluminum, pinion nickel-plated steel, piston guide POM, seals NBR butterfly valve body ductile iron epoxy coated, disc stainless steel AISI 316, shaft stainless steel AISI 430 (not wetted)
liner	NBR - DVGW-approved, demountable
stem sealing	through the body liner to avoid the contact to the body. in addition an o-ring below the top flange protect the shaft from outside dust and emission of the media.
Sealing at the flange	without additional sealings (body liner as direct seal)
function	double acting or single acting design
type of fixing	installed into rigid pipework between two flanges according to EN1092, form 01,11, 32, 34 lug type installation without counter flange not allowed
mounting position	any
control medium	filtered and lubricated or non lubricated compressed air
application	fuel gases of 1., 2. and 3. gas family
medium temperature	-10...+60°C
ambient temperature	-10...+60°C
control pressure	5,5-8bar, adaption for lower control pressures on request
operating pressure	see table, also suitable for vacuum
special version	pinion made of stainless steel, ATEX
accessories	mounted manual pneumatic or electric control valve electric end position signal, I/P or P/P positioner control of moving speed, built in declutchable gearbox for manual operation

order code

butterfly valve		BU	W	6	-050	-D	S	D	-D	2	2	-A
flanged type	lug	L										
	wafer	W										
operating pressure / flange mounting	10bar...PN10/16/A150	4										
	16bar...PN10/16/A150	6										
	10bar...PN10	C										
	16bar...PN10/16	G										
nominal diameter	40mm	040										
	50mm	050										
	65mm	065										
	80mm	080										
	100mm	100										
	125mm	125										
	150mm	150										
	200mm	200										
	250mm	250										
	300mm	300										
body	ductile iron						D					
disc	stainless steel AISI 316						S					
liner	NBR - DVGW-approved						D					
actuation	double acting actuator						D					
	single acting actuator						S					
control pressure / medium pressure	5,5bar / 16bar									1		
	5,5bar / 10bar									2		
medium	gases									2		
special versions	ATEX										A	

dimensions



butterfly valve with double acting actuator, control pressure 5,5-8bar

nominal diameter DN[mm]	max. operating pressure	A	B	C	E	F	type of actuator	type wafer	weight [app. kg]	type lug	weight [app. kg]
40	10	263	75	33	81	164	PAD063	BUW6-040-DSD-D.2	4	BULG-040-DSD-D.2	5
50	10	271	81	43	81	164	PAD063	BUW6-050-DSD-D.2	4,6	BULG-050-DSD-D.2	5,5
65	10	277	98	46	81	164	PAD063	BUW6-065-DSD-D.2	5,5	BULG-065-DSD-D.2	7,1
80	10	309	110	46	95	210	PAD075	BUW6-080-DSD-D.2	6,9	BULG-080-DSD-D.2	9
100	10	338	128	52	106	241	PAD085	BUW6-100-DSD-D.2	10	BULG-100-DSD-D.2	12,1
125	10	351	140	56	106	241	PAD085	BUW6-125-DSD-D.2	11,2	BULG-125-DSD-D.2	13,7
150	10	380	155	56	123	275	PAD100	BUW6-150-DSD-D.2	14,7	BULG-150-DSD-D.2	17,1
200	10	465	190	60	148	372	PAD125	BUW6-200-DSD-D.2	24,9	BULC-200-DSD-D.2	37,9
250	10	517	220	68	164	435	PAD140	BUW4-250-DSD-D.2	38,7	BULC-250-DSD-D.2	50,7
300	10	571	247	78	186	500	PAD160	BUW4-300-DSD-D.2	53,9	BULC-300-DSD-D.2	70,9

butterfly valve with single acting actuator, control pressure 5,5-8bar

nominal diameter DN[mm]	max. operating pressure	A	B	C	E	F	type of actuator	type wafer	weight [app. kg]	type lug	weight [app. kg]
40	10	295	75	33	106	241	PAS0855	BUW6-040-DSD-S.2	7,1	BULG-040-DSD-S.2	7,9
50	10	303	81	43	106	241	PAS0855	BUW6-050-DSD-S.2	7,7	BULG-050-DSD-S.2	8,6
65	10	309	98	46	106	241	PAS0855	BUW6-065-DSD-S.2	8,6	BULG-065-DSD-S.2	10,2
80	10	371	110	46	137	333	PAS1155	BUW6-080-DSD-S.2	15,6	BULG-080-DSD-S.2	17,7
100	10	386	128	52	137	333	PAS1155	BUW6-100-DSD-S.2	17,6	BULG-100-DSD-S.2	19,7
125	10	411	140	56	148	372	PAS1255	BUW6-125-DSD-S.2	21,4	BULG-125-DSD-S.2	23,9
150	10	473	155	56	186	500	PAS1605	BUW6-150-DSD-S.2	38,7	BULG-150-DSD-S.2	41,1
200	10	568	190	60	217	579	PAS2005	BUW6-200-DSD-S.2	69,1	BULC-200-DSD-S.2	82,1
250	10	598	220	68	217	579	PAS2005	BUW4-250-DSD-S.2	77,1	BULC-250-DSD-S.2	89,1
300	10	675	247	78	249	690	PAS2305	BUW4-300-DSD-S.2	103,1	BULC-300-DSD-S.2	120,1

kv value [m³/h]

nominal diameter DN [mm]	Opening angle of the butterfly valve								
	10°	20°	30°	40°	50°	60°	70°	80°	90°
40/50	-	0,9	6,1	15	29	53	92	115	116
65	-	2,5	11	27	51	90	161	240	257
80	-	5,2	21	49	91	156	283	457	508
100	-	9,5	39	88	159	269	487	815	925
125	-	15	69	148	262	434	768	1303	1492
150	-	23	112	228	394	641	1097	1861	2168
200	-	110	211	405	679	1085	1788	3043	3838
250	21	156	310	591	988	1591	2715	4768	5010
300	49	280	381	742	1252	2059	3744	6831	9233

illustrations are non-binding

all designs, configurations, measurements and materials are subject to change without prior notice