

butterfly valve series BUW9, BUWH, double eccentric



design	wafer type butterfly valve with two-piece shaft, disc bearing double eccentric, shaft secured with screw connection against blow out
length	according to EN558-1 line 20 (DIN3202-K1)
connection	DN50...DN500, flange according to EN1092
form of flange	wafer type: DN300 - PN10/PN16/ANSI150, all other sizes PN10/PN16/PN25/ANSI150, lug type PN10, PN16, PN25 oder ANSI150,
materials	body steel or stainless steel AISI 316, disc stainless steel AISI 316, shaft stainless steel AISI 630 hand lever aluminum gear box aluminum
seal	RTFE (reinforced PTFE), Inconel 625 (metallic) or UHT polymer
stem sealing	with self adjusting packing gland
Sealing at the flange	with additional flange gaskets (not enclosed in scope of supply)
type of fixing	installed into rigid pipework between two flanges according to EN1092, form 11, 21, 34
mounting position	any
application	group 1 and 2 liquids and gases acc. to PED 2014/68/EU and which do not affect the used materials
flow direction	any, preferred flow direction is marked by an arrow
medium temperature	steel -29...+450°C stainless steel -60...+450°C depending of used sealing, see table "sealing materials "
operating pressure	vacuum max. 30mbar absolute to max. 25bar, see pressure-temperature diagram
actuation	hand lever aluminum, 10 positions, by rotating the mounting adapter 2 positions gear box aluminum continuously
special versions	body and disc made of duplex or superduplex, fire-safe, ATEX-design, DN300 flange PN25

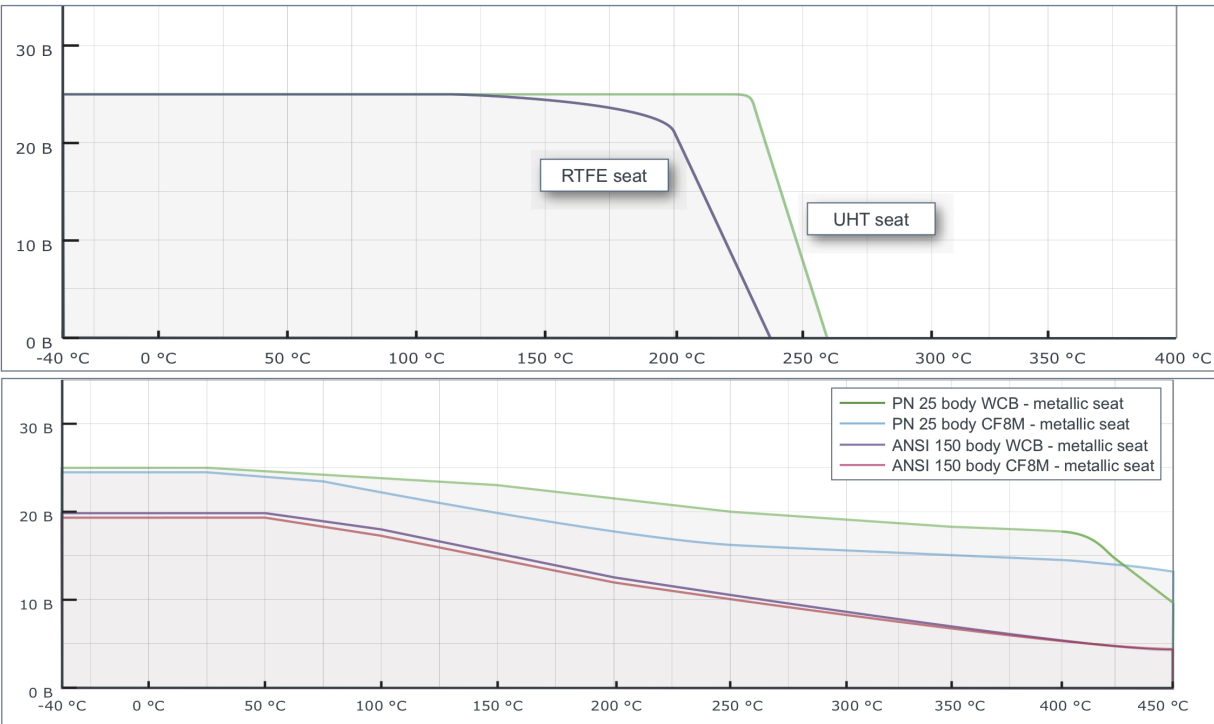
order code

		BU	W	6	-050	-C	S	I	S	-L	-A
butterfly valve											
flanged type	wafer		W								
operating pressure / flange mounting	25bar...PN10/16/25/A150		9								
	16bar...PN10/16/25/A150		H								
	25bar...PN10/16//A150		0								
nominal diameter	50mm				050						
	65mm				065						
	80mm				080						
	100mm				100						
	125mm				125						
	150mm				150						
	200mm				200						
	250mm				250						
	300mm				300						
	350mm				350						
	400mm				400						
	500mm				500						
body	steel					C					
	stainless steel AISI 316					S					
disc	stainless steel AISI 316						S				
seal	Inconel 625							I			
	RTFE							R			
	UHT							U			
shaft	stainless steel AISI 630								S		
actuation	bare shaft									B	
	gear box									G	
	hand lever aluminum 10 positions									L	
special versions	ATEX										A
	free of oil and grease										G
	silicone-free										S

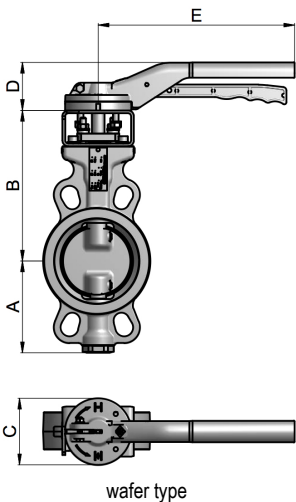
sealing materials

material	medium temperature	leakage rate
RTFE	-60...+230°C	Class VI-ANSI/FCI70-2
Inconel 625 (metallic)	-60...+450°C	Class V-ANSI/FCI70-2
UHT (polymer)	-60...+260°C	Class VI-ANSI/FCI70-2

pressure-temperature-diagram

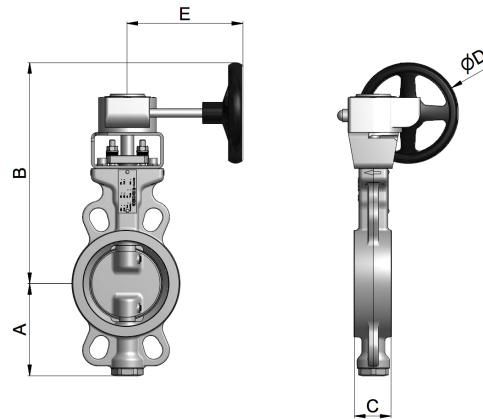


dimensions with handle lever 10 positions



nominal diameter DN [mm]	A	B	C	D	E	stem square diagonal [mm]	flange ISO 5211	weight [app. kg]
50	81	167	43	67	220	11	F07	4,1
65	93	170	46	67	220	11	F07	4,6
80	101	179	46	67	220	11	F07	5,4
100	128	210	52	67	275	14	F07	8,7
125	159	220	56	76	340	17	F10	11,1
150	168	229	56	76	340	17	F10	14,5

dimensions with manual gear box



wafer type

nominal diameter DN [mm]	A	B	C	D	E	stem type	stem size [mm]	flange ISO 5211	weight [app. kg]
50	81	294	43	200	157,5	square diagonal	11	F07	5,7
65	93	297	46	200	157,5	square diagonal	11	F07	6,2
80	101	311	46	200	157,5	square diagonal	11	F07	7
100	128	337	52	200	157,5	square diagonal	14	F07	10,2
125	159	349	56	200	217	square diagonal	17	F10	13,6
150	168	358	56	200	217	square diagonal	17	F10	17
200	207	469	61	300	282	key	25	F10	30,5
250	232	579	69	400	282	key	30	F12	49
300	270	622	78	400	282	key	35	F12	64
350	304	726	92	500	322	key	40	F14	105
400	340	842	102	600	345	key	45	F14	139
500	427	906	127	600	398	key	60	F16	245

kv value [m³/h]

nominal diameter DN [mm]	Opening angle of the butterfly valve								
	10°	20°	30°	40°	50°	60°	70°	80°	90°
50	-	5	15	26	36	43	47	51	53
65	-	11	28	49	74	97	123	139	144
80	-	17	33	56	85	115	145	164	171
100	12	43	83	127	187	264	351	447	500
125	26	71	138	207	300	430	579	760	864
150	35	91	176	261	377	544	735	974	1112
200	40	155	309	464	684	1023	1430	2040	2351
250	46	229	463	699	1040	1579	2236	3279	3789
300	51	297	605	916	1367	2091	2977	4418	5111
350	-	-	-	-	-	-	-	-	-
400	-	-	-	-	-	-	-	-	-
500	-	-	-	-	-	-	-	-	-

illustrations are non-binding
all designs, configurations, measurements and materials are subject to change without prior notice