

Butterfly valve Series BUW4, BULC/D



Design type	Wafer / lug butterfly valve with two-piece shaft, two-piece housing, Shaft secured against blow-out by circlip, Shaft triple sealed
Actuation	DN50...DN150 Hand lever Aluminium, 10 Indexing positions, by turning the mounting adapter 2 Indexing positions, lockable version DN200...DN300 Hand lever Aluminium, 10 Indexing positions, lockable version Manual gearbox Grey cast iron EN-GJL-250, infinitely variable
Connection	Flanges according to EN1092
Flange type	Sandwich mounting version: PN10/PN16/ANSI150 Flanged version DN50...DN150: PN10/PN16, DN200... DN300: PN10
Overall length	according to EN558-1R20
Materials	Housing Ductile iron EN-GJS-400-15 epoxy-coated 40...60µm, Disc Stainless steel 1.4408, Shaft Stainless steel 1.4401 (non-media-contacting) Hand lever Aluminium Manual gearbox Grey cast iron EN-GJL-250
Seal ring	PTFE/Silicone, interchangeable, PTFE thickness minimum 2,5mm
Spindle seal	Via the housing lining, so that contact with the housing is avoided. Additionally, an O-ring below the head flange protects the shaft against dust ingress from outside and medium leakage from inside.
Sealing at the flange	without additional seals (Housing lining seals directly)
Application range	Fluids and gases of group 1 and 2 according to PED 2014/68/EU that do not attack the materials used
Medium temperature	-10...+190°C lower media temperatures on request
Operating pressure	0...10bar, Installation without mating flange see table "Pressure resistance", Vacuum on request
Flow direction	any
Mounting type	Installation in rigid piping system between two flanges according to EN1092 form 01, 11, 32, 34
Mounting position	any
Approvals	TA-Luft, SIL 3
Special versions	Housing Steel or Stainless steel, Disc Stainless steel 1.4542 PTFE-coated, Hastelloy or Monel, ATEX II 2 GD Ex h X



Type code

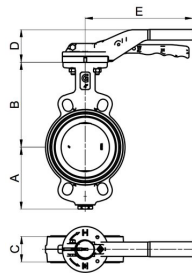
		BU	W	4	-050	-D	S	T	S	-L	-A
Butterfly valve											
Flange version	Flange connection	L									
	Sandwich plate	W									
Operating pressure / Flange mounting	10bar...PN10/16/A150	4									
	10bar...PN10	C									
	10bar...PN10/16	D									
Nominal size	50mm	050									
	65mm	065									
	80mm	080									
	100mm	100									
	125mm	125									
	150mm	150									
	200mm	200									
	250mm	250									
	300mm	300									
Body	EN-GJS-400-15	D									
Disc	Stainless steel 1.4408					S					
	Stainless steel 1.4542 PTFE-coated					Z					
Seal ring	PTFE/Silicone					T					
Shaft	Stainless steel 1.4401						S				
Actuation	free shaft								B		
	Gearbox								G		
	Hand lever Aluminium 10 Indexing positions								L		
	Hand lever Aluminium adjustable								R		
Special versions	ATEX									A	
	oil- and grease-free									G	
	silicone-free									S	

Pressure resistance

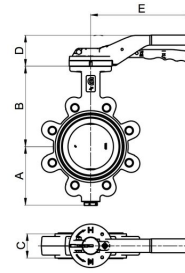
Type	clamped between two flanges	End fitting without Counter flange
Sandwich mounting version	10bar	-
Flanged version	10bar	4bar



Dimensions with Hand lever



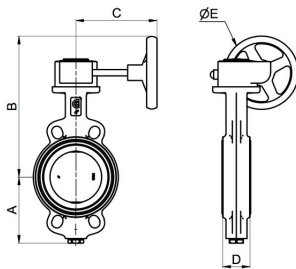
Sandwich mounting version



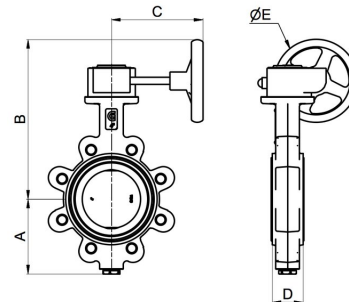
Flanged version

Nominal size DN [mm]	A	B	C	D	E	Square spindle diagonal [mm]	Flange ISO 5211	Weight [approx. kg]	
								Sandwich plate	Flange connection
50	81	138	43	67	220	11	F07	4	4,5
65	98	144	46	67	220	11	F07	4,7	5,3
80	110	158	46	67	220	11	F07	5	8,2
100	128	173	52	67	220	11	F07	7,4	9
125	140	186	56	67	275	14	F07	9,5	11,9
150	155	202	56	67	275	14	F07	11,2	13,6
200	190	240	60	76	340	17	F10	16,2	26
250	220	270	68	76	340	22	F10	25,5	31
300	247	300	78	76	340	22	F10	33	46

Dimensions with Handwheel gearbox



Sandwich mounting version



Flanged version

Nominal size DN [mm]	A	B	C	D	E	Spindle type	Spindle dimension [mm]	Flange ISO 5211	Weight [approx. kg]	
									Sandwich plate	Flange connection
50	81	265	158	43	200	Square diagonal	11	F07	5,6	6,1
65	98	271	158	46	200	Square diagonal	11	F07	6,3	6,9
80	110	285	158	46	200	Square diagonal	11	F07	6,6	9,8
100	128	300	158	52	200	Square diagonal	11	F07	9,0	10,6
125	140	313	158	56	200	Square diagonal	14	F07	11,0	13,4
150	155	329	158	56	200	Square diagonal	14	F07	12,7	15,1
200	190	369	217	60	200	Square diagonal	17	F10	18,7	28,5
250	220	461	282	68	300	Square diagonal	22	F10	28,0	33,5
300	247	541	282	78	400	Square diagonal	22	F10	35,5	48,3



Kv value [m³/h]

Nominal size DN [mm]	Opening angle of the disc								
	10°	20°	30°	40°	50°	60°	70°	80°	90°
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 non-binding

Design, dimensional and material changes reserved

Armatures / Valves, butterfly valves and gate valves - manually operated / Butterfly valves / Butterfly valve with manual gear box Series BUW4-DSTS-G

