

Butterfly valve Series BUW2, BULI/B



Design type	Wafer / lug butterfly valve with two-piece shaft, Shaft secured against blow-out by circlip
Actuation	DN50...DN150 Hand lever Aluminium, 10 Indexing positions, by turning the mounting adapter 2 Indexing positions DN200...DN300 Hand lever Aluminium, 10 Indexing positions
Connection	Flanges according to EN1092
Flange type	Sandwich mounting version DN40 ... DN300: PN10/PN16/ANSI150 Flanged version DN40 ... 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 1.4016 (non-media-contacting) Hand lever Aluminium
Seal ring	interchangeable, see table "Cuff materials"
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	Solids, Fluids and gases of group 1 and 2 according to PED 2014/68/EU that do not attack the materials used.
Medium temperature	-10...+200°C additionally depending on the seal material - see table "Seal materials"
Operating pressure	0...6bar, Flanged version Installation without mating flange see table "Pressure resistance"
Flow direction	any
Mounting type	Installation in rigid piping system between two flanges according to EN1092 form 01, 11, 32, 34
Mounting position	with Use for solids, shaft horizontal, for all other applications any
Special versions	Gearbox, Nominal sizes up to DN500, ATEX II 2 GD Ex h X



Type code

Butterfly valve		BU	W	2	-050	-D	S	C	S	-L	-A
Flange version	Flange connection	L									
	Sandwich plate	W									
Operating pressure / Flange mounting	6bar...PN10/16/A150	2									
	6bar...PN10	B									
	6bar...PN10/16	I									
Nominal size	40mm	040									
	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				
	EN-GJS-400-15 zinc-plated						P				
	Steel zinc-plated						U				
Seal ring	NBR carboxyl-containing						C				
	EPDM						E				
	Hypalon						H				
	NBR						N				
	Polyurethane						P1				
	Silicone						S				
	FKM						V				
	EPDM-white						W				
	EPDM HT						X				
Shaft	Stainless steel 1.4016 (Leave blank)										
	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	

Seal materials

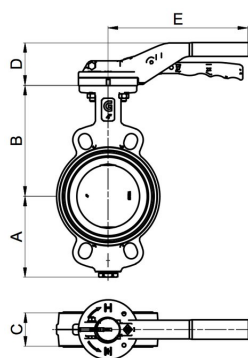
Material	Medium temperature	Application examples
EPDM	-10 (-35)*...+130°C	Hot water, Cold water, neutral gases and liquids
EPDM-white	-10 (-30)*...+130°C	Granules
EPDM HT	-10 (-30)*...+150°C	Steam, Hot water, Cold water, neutral gases and liquids
FKM	-10 (-20)*...+200°C	Gasoline, Diesel, Oils
NBR	-10 (-25)*...+100°C	Cold water, Air, neutral gases and liquids
NBR carboxyl-containing	-10 (-25)*...+100°C	abrasive media such as sand, cement
Polyurethane	-10 (-25)*...+90°C	abrasive media such as sand, cement
Neoprene, Silicone, Hypalon and Natural rubber available on request		
*lower media temperatures on request		

Pressure resistance

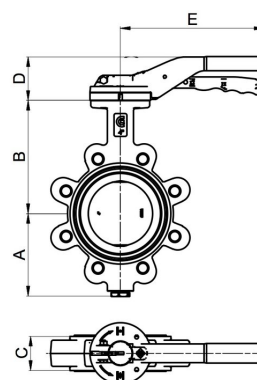
Type	clamped between two flanges	End fitting without Counter flange
Sandwich mounting version	6bar	-
Flanged version	6bar	4bar



Dimensions



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
40	75	130	33	67	220	11	F07	2,8	3,6
50	81	138	43	67	220	11	F07	3,4	4,3
65	98	144	46	67	220	11	F07	4,3	5,9
80	110	158	46	67	220	11	F07	4,6	6,7
100	128	173	52	67	220	11	F07	6,6	8,7
125	140	186	56	67	275	14	F07	7,9	10,4
150	155	202	56	67	275	14	F07	9,8	12,2
200	190	240	60	76	340	17	F10	15	28
250	220	270	68	76	340	22	F10	23	35
300	247	300	78	76	340	22	F10	33	50

Kv value [m³/h]

Nominal size DN [mm]	Opening angle of the disc									
	10°	20°	30°	40°	50°	60°	70°	80°	90°	
40	-	0,9	6,1	15	29	53	92	115	116	
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	-	156	310	591	988	1591	2715	4768	5010	
300	-	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 hand lever Series BUW2-DSC-L

Version 14

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MADE IN EUROPE

+43 512 52076

austria@stasto.eu

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www.stasto.com

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