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Butterfly valve
Series BUW4/BUW6/BULG/C-DVGW





Design type	Wafer butterfly valve with two-piece shaft, Shaft secured against blow-out by circlip
Actuation	Hand lever Aluminium, 10 Indexing positions, by turning the mounting adapter 2 Indexing positions, lockable version Manual gearbox Grey cast iron EN-GJL-250, infinitely variable
Connection	Flanges according to EN1092
Flange type	Sandwich mounting version: BUW6 DN40...DN200 PN10/PN16/ANSI150, BUW4 DN250...DN500 PN10/PN16/ANSI150 Flanged version: BULG DN40...DN150: PN10/PN16, BULC DN200...DN500: PN10
Overall length	according to EN558-1 series 20 (DIN3202-K1)
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 Manual gearbox Grey cast iron EN-GJL-250, infinitely variable
Seal ring	NBR, interchangeable
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	Fuel gases according to G260
Medium temperature	-10...+60°C (-10...+120°C on request)
Ambient temperature	-10...+60°C
Operating pressure	BUW6 - DN40...DN200: 0...16bar, BUW4 - DN250...DN500: 0...10bar BULG - DN40...DN150: 0...16bar, BULC - DN200...DN500: 0...10bar
Flow direction	any
Mounting type	Installation in rigid piping system between two flanges according to EN1092, form 01, 11, 32, 34 Flanged version Installation without mating flange not permitted
Mounting position	any
Approvals	Gas approval DIN EN13774, TA-Luft, SIL 3
Special versions	ATEX II 2 GD Ex h X

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Type code

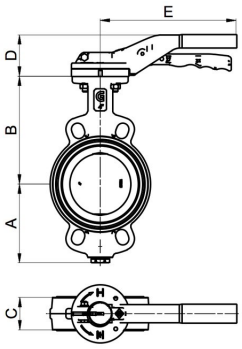
Butterfly valve		BU	W	6	-050	-D	S	D	S	-L	-A
Flange version	Flange connection		L								
	Sandwich plate		W								
Operating pressure / Flange mounting	10bar...PN10/16/ANSI150			4							
	16bar...PN10/16/AANSI150			6							
	10bar...PN10			C							
	16bar...PN10/16			G							
Nominal size	40mm				040						
	50mm				050						
	65mm				065						
	80mm				080						
	100mm				100						
	125mm				125						
	150mm				150						
	200mm				200						
	250mm				250						
	300mm				300						
	350mm				350						
	400mm				400						
	450mm				450						
	500mm				500						
Body	EN-GJS-400-15					D					
Disc	Stainless steel 1.4408						S				
Seal ring	NBR-DVGW							D			
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

Pressure resistance

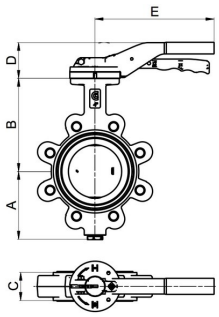
Type	clamped between two flanges	End fitting without Counter flange
Sandwich mounting version	DN50...DN200: 16bar, DN250...DN500: 10bar	-
Flanged version	DN50...DN150: 16bar, DN200...DN500: 10bar	-

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Dimensions with Hand lever



Sandwich mounting version

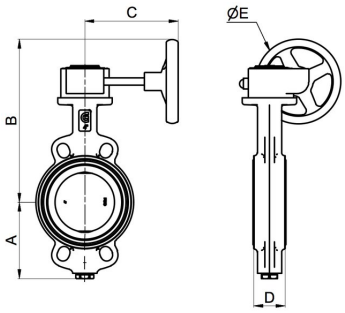


Flanged version

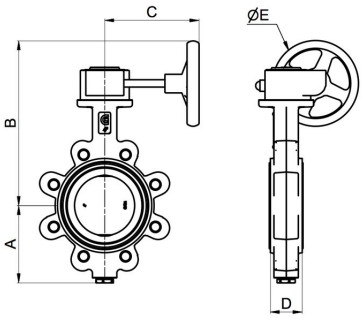
Nominal size DN [mm]	A	B	C	D	E	Square spindle diagonal [mm]	Flange ISO 5211	Weight [approx. kg]	
								Sandwich plate	Flange connection
40	75	130	33	67	220	11	F07	2,8	3,6
50	81	138	43	67	220	11	F07	3,4	4,3
65	98	144	46	67	220	11	F07	4,3	5,9
80	110	158	46	67	220	11	F07	4,6	6,7
100	128	173	52	67	220	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

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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
40	75	257	158	33	200	Square diagonal	11	F07	4,8	5,6
50	81	265	158	43	200	Square diagonal	11	F07	5,4	6,3
65	98	271	158	46	200	Square diagonal	11	F07	6,9	8,5
80	110	285	158	46	200	Square diagonal	11	F07	7,2	9,3
100	128	300	158	52	200	Square diagonal	11	F07	9,2	11,3
125	140	313	158	56	200	Square diagonal	14	F07	10,5	13
150	155	329	158	56	200	Square diagonal	14	F07	12,3	14,6
200	190	369	217	60	200	Square diagonal	17	F10	18,6	31,6
250	220	461	282	68	300	Square diagonal	22	F10	26,7	38,7
300	247	541	282	78	400	Square diagonal	22	F10	34,4	51,4
350	280	572	282	78	400	Parallel key	35/10	F12	52,9	73
400	305	597	282	102	400	Parallel key	40/12	F12	77,6	93
450	343	642	282	114	400	Parallel key	45/12	F14	124	184
500	366	664	282	127	400	Parallel key	45/12	F16	154	194

Kv value [m^3/h]

Nominal size DN [mm]	Opening angle of the disc								
	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
350	123	315	661	1184	2008	3225	5195	9301	10792
400	161	412	863	1547	2620	4202	6775	12142	14082
450	199	511	1069	1916	3248	5218	8412	15048	17840
500	246	630	1320	2366	4010	6442	10377	18578	22024

Illustrations non-binding
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