

BUTTERFLY VALVES

WOUTER WITZEL

Model EVS DN 50 - 1400 (2" - 56")

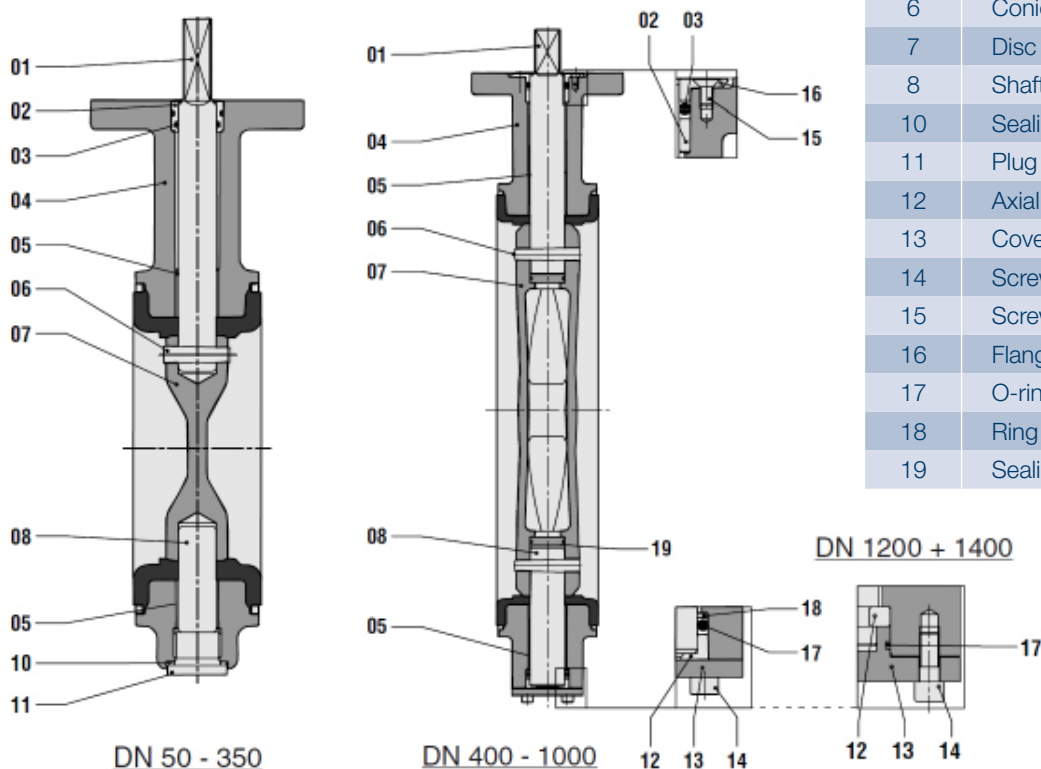


GENERAL SPECIFICATION

Body type	DN 50 - 600 (2" - 24"): Flangeless wafer short type, centric, rubberlined DN 700 - 1400 (28" - 56"): Flangeless wafer short type with drilled or tapped centric holes rubberlined
Valve function*	Isolating valve (on/off) and/or regulating valve
Installation	Clamping between two flanges
Flange connections*	PN 6 / 10 / 16 / 20 / ANSI Class 150 / JIS 5 / 10 / 16
Valve shut off pressure*	2.5 / 6 / 10 / 16 bar
Leakage rate	ISO 5208, Rate A (bi-directional tight shut off)
Face to face dimensions	ISO 5752 / EN 558. NB! DN 1400: Factory standard
Type approvals*	KIWA, DVGW, WRC, XVGW, JKR, LRS, DNV, ABS, BV, GL, RIN, NKK, RMRS +
Actuation possibilities*	DN 50 - 600: UL, FM, VdS Manual, electric, pneumatic or hydraulic

* To be specified when ordering

PARTS



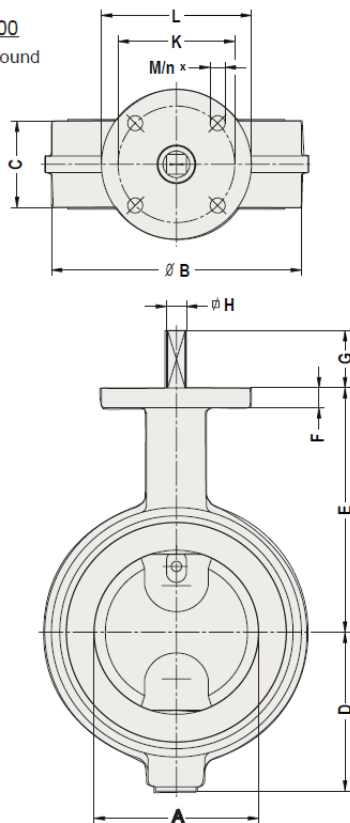
No.	Part
1	Shaft
2	Bush
3	O-ring
4	Body, rubber lined
5	Bearing
6	Conical pin
7	Disc
8	Shaft
10	Sealing ring
11	Plug
12	Axial bearing
13	Cover plate
14	Screw
15	Screw
16	Flanged bush
17	O-ring
18	Ring
19	Sealing plate

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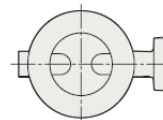
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Model EVS DN 50 - 600 (2" - 24")



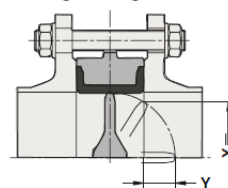
DN 50 - 300
Centring around
the body



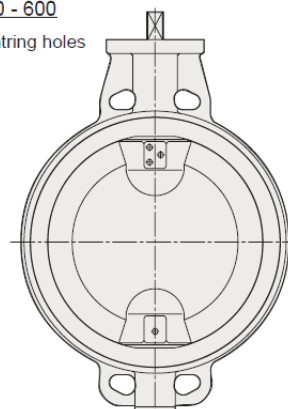
Preferred position when installed
in horizontal pipeline



Disc protrusion + flange bolting



DN 350 - 600
with centring holes



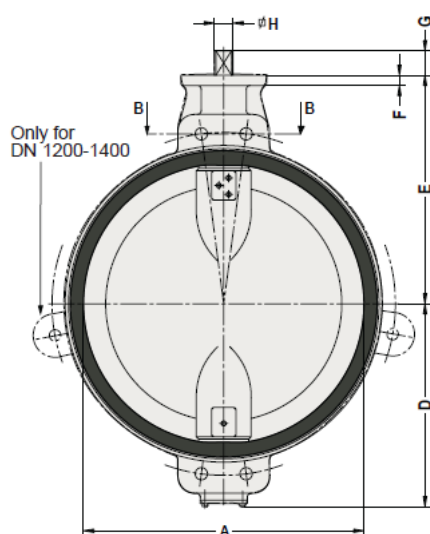
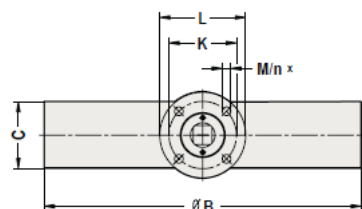
DIMENSIONS AND WEIGHTS

DN	NPS	A	B	C	D	E	F	G	H	K	L	M	n	ISO5211	X	Y	kg
40	1/2"	50	100	43	63	118	12	34	10	70	90	9	4	F07	25	4	2,6
50	2"	50	100	43	63	118	12	34	10	70	90	9	4	F07	25	4	2,6
65	2 1/2"	65	115	46	71	126	12	34	10	70	90	9	4	F07	46	10	3,2
80	3"	80	130	46	78	133	12	34	10	70	90	9	4	F07	66	17	3,5
100	4"	100	150	52	98	147	12	34	12	70	90	9	4	F07	86	24	4,5
125	5"	125	182	56	109	160	12	34	12	70	90	9	4	F07	112	35	6,3
150	6"	150	210	56	133	180	14	34	16	70	90	9	4	F07	140	47	8,8
200	8"	200	262	60	158	204	14	34	16	70	90	9	4	F07	191	70	13,2
250	10"	250	315	68	194	245	15	45	24	102	125	11	4	F10	241	91	22
300	12"	300	371	78	219	270	15	45	24	102	125	11	4	F10	290	111	32
350	14"	336	405	78	256	315	15	45	24	102	125	11	4	F10	327	129	40
400	16"	386	470	102	308	363	25	50	30	140	175	17	4	F14	373	142	75
450	18"	436	522	114	334	388	25	50	30	140	175	17	4	F14	421	161	90
500	20"	486	576	127	360	413	25	50	30	140	175	17	4	F14	470	180	120
600	24"	586	672	154	426	510	25	50	40	140	175	17	4	F14	566	216	180

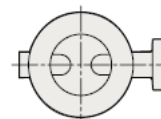
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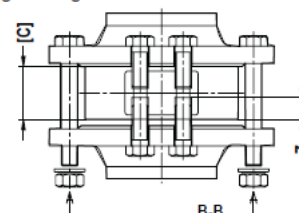
Model EVS DN 700 - 1400 (28" - 56")



Preferred position when installed
in horizontal pipeline



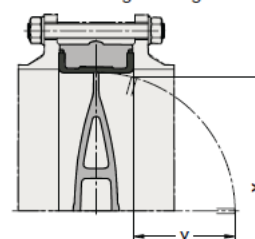
Flange bolting



+ means through bolting

DN		Z		
		PN 6	PN 10	PN 16
700	28"	+	+	60
750	30"	+	+	+
800	32"	+	+	+
900	36"	+	52	59
1000	40"	51	51	58
1200	48"	44	52	63
1400	56"	56	63	71

Disc protrusion + flange bolting



DIMENSIONS AND WEIGHTS

DN	NPS	Pmax	A	B	C	D	E	F	G	H	K	L	M	N	ISO 5211	X	Y	kg
700	28"	16 bar	686	776	165	480	560	25	60	46	165	210	21	4	F16	666	261	295
750	30"	16 bar	736	826	190	520	585	25	60	46	165	210	21	4	F16	666	261	295
800	32"	16 bar	786	880	190	525	610	25	60	46	165	210	21	4	F16	763	298	345
900	36"	16 bar	886	980	203	635	690	30	90	60	254	300	17	8	F25	863	342	475
1000	40"	10 bar	986	1085	216	685	740	30	90	60	254	350	17	8	F25	973	390	635
1000	40"	16 bar	986	1085	216	685	740	30	90	60	298	350	21	8	F30	973	390	635
1200	48"	10 bar	1186	1300	254	870	855	35	85	75	298	415	21	8	F30	1159	466	1500
1200	48"	16 bar	1186	1300	254	870	855	35	85	75	356	415	31	8	F35	1159	466	1500
1400	56"	10 bar	1386	1500	*254	980	955	35	85	75	356	415	31	8	F35	1364	568	1900
1400	56"	16 bar	1386	1500	*254	980	955	35	100	90	356	415	31	8	F35	1364	568	1900

NB! Intermediate (e.g. DN 650/26", DN 850/34", DN 1100/44") are available on request

* Factory standard