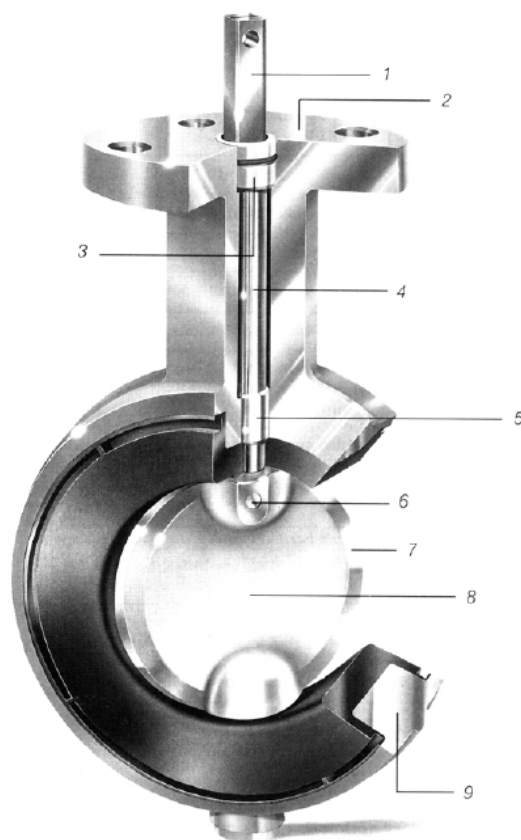




PARTS

No.	Part
1	Shaft square with groove, indicating disc orientation
2	Topflange ISO 5211
3	O-ring
4	Shaft (concentric)
5	Bearing
6	Conical pin
7	Toroidal disc edge
8	Centric valve disc
9	Rubberlined valve body

GENERAL SPECIFICATION AND BENEFITS

Centric shaft position

100% bi-directional tight shut off
Installation without restriction in direction of flow.

Streamlined and slim disc shape;

Full bore body

Low pressure loss and reduced energy costs
High Kv / Cv values.

No cavities in the flow passage

Easy to clean and to disinfect for e.g portable water systems.
Self-cleaning (no residue will be trapped).

Few process wetted parts

Good resistance to corrosion.
High reliability.

Compact construction; low weight

Easy to handle and to install.
Less space in storage and installation

Body internally rubberlined

Fluid does not contact the body (no corrosion).
No flange gaskets required.
Insulation of noise and heat transfer.

Lining bonded to the body

No corrosion between body and lining.
Suitable for vacuum service.
Longer life time.
No distortion of lining.
Excellent performance in dry duties.
Valve can be installed with disc fully closed.
Particularly suited for actuated duties.
Suitable for end of line use.

Standardized actuation figure

Easy automation.
Retrofitting of actuator is possible.
Actuator position can be changed on site.

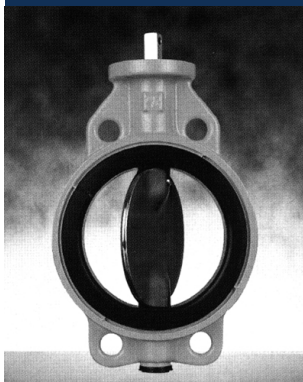
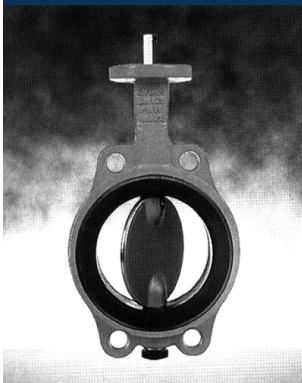
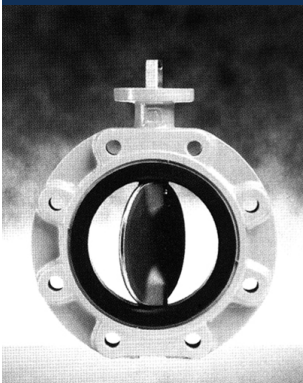
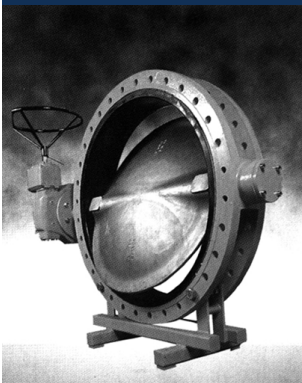
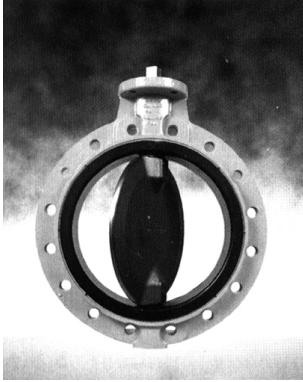
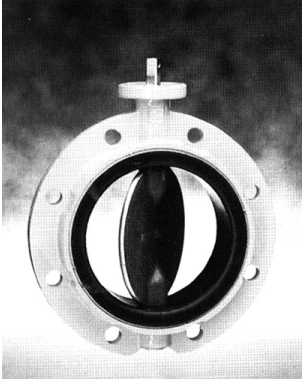
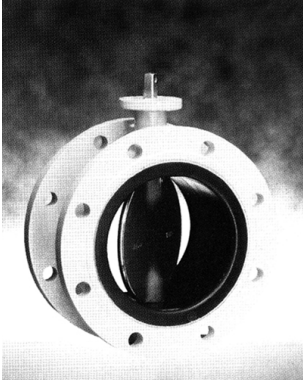
Low operating torques

Easy to operate.
Economical actuator selection.

Both shafts carried in PTFE lined bearings

Low shaft friction (operating torque) and wear.
No lubrications required

MODELS

EVS Flangeless wafer type  Desing pressure max. 16 bar DN 50 - 1400 (2" - 56")	EVL Flangeless water type (long)  Desing pressure max. 16 bar DN 80 - 300 (3" - 12")	EVCS Alingment lug wafer type  Desing pressure max. 16 bar DN 50 - 300 (2" - 12")	
EVBS Semi-lug wafer type  Desing pressure max. 16 bar DN 50 - 300 (2" - 12")	EVBL Semi-lug wafer type with long  Desing pressure max. 16 bar DN 50 - 200 (2" - 8")	EVTL Tapped lug wafer type  Desing pressure max. 16 bar DN 50 - 1000 (2" - 40")	EVUS U-section wafer type, desing length ISO5752/EN558  Desing pressure max. 10 bar DN 50 - 2200 (2" - 88")
EVMS Single flanged water type  Desing pressure max. 16 bar DN 350 - 1000 (14" - 40")	EVML Single flanged wafer type (long)  Desing pressure max. 16 bar (25 bar on order) DN 50 - 1400 (2" - 56")	EVFS Double flange type  Desing pressure max. 16 bar (25 bar on order) DN 50 - 2000 (2" - 80")	EVFL Double flanged type (long)  Desing pressure max. 16 bar DN 50 - 1500 (2" - 60")

MATERIAL CODES AND FLOW RATES

Standard materials (GG 25 / EN JL 1040)

Code	Disc	Shaft	Pin	Liner
AA	Stainless steel 1.4057	Stainless steel 1.4057	Stainless steel 1.4057	NBR
BA	Stainless steel 1.4057	Stainless steel 1.4057	Stainless steel 1.4057	EPDM
AC	Stainless steel 1.4408	Stainless steel 1.4057	Duplex 1.4462	NBR
BC	Stainless steel 1.4408	Stainless steel 1.4057	Duplex 1.4462	EPDM
AE	Duplex 1.4462	Duplex 1.4462	Duplex 1.4462	NBR
BE	Duplex 1.4462	Duplex 1.4462	Duplex 1.4462	EPDM
ASN	Duplex 1.4517	Duplex 1.4462	Duplex 1.4462	NBR
BSN	Duplex 1.4517	Duplex 1.4462	Duplex 1.4462	EPDM
AL	Aluminiumbronze	Stainless steel 1.4057	Aluminiumbronze	NBR
BL	Aluminiumbronze	Stainless steel 1.4057	Aluminiumbronze	EPDM
AJ	Aluminiumbronze	Duplex 1.4462	Aluminiumbronze	NBR
BJ	Aluminiumbronze	Duplex 1.4462	Aluminiumbronze	EPDM
ANT	Ductile iron / Rilsan	Stainless steel 1.4057	Stainless steel 1.4057	NBR
BNT	Ductile iron / Rilsan	Stainless steel 1.4057	Stainless steel 1.4057	EPDM

Standard materials (GGG 40 / EN JL 1030)

Code	Disc	Shaft	Pin	Liner
KA	Stainless steel 1.4057	Stainless steel 1.4057	Stainless steel 1.4057	NBR
JA	Stainless steel 1.4057	Stainless steel 1.4057	Stainless steel 1.4057	EPDM
KC	Stainless steel 1.4408	Stainless steel 1.4057	Duplex 1.4462	NBR
JC	Stainless steel 1.4408	Stainless steel 1.4057	Duplex 1.4462	EPDM
KE	Duplex 1.4462	Duplex 1.4462	Duplex 1.4462	NBR
JE	Duplex 1.4462	Duplex 1.4462	Duplex 1.4462	EPDM
KSN	Duplex 1.4517	Duplex 1.4462	Duplex 1.4462	NBR
JSN	Duplex 1.4517	Duplex 1.4462	Duplex 1.4462	EPDM
KL	Aluminiumbronze	Stainless steel 1.4057	Aluminiumbronze	NBR
JL	Aluminiumbronze	Stainless steel 1.4057	Aluminiumbronze	EPDM
KJ	Aluminiumbronze	Duplex 1.4462	Aluminiumbronze	NBR
JJ	Aluminiumbronze	Duplex 1.4462	Aluminiumbronze	EPDM
KNT	Ductile iron / Rilsan	Stainless steel 1.4057	Stainless steel 1.4057	NBR
JNT	Ductile iron / Rilsan	Stainless steel 1.4057	Stainless steel 1.4057	EPDM

Flow rates (K_v rate, when the valve is fully open)

DN	NPS	Stainless steel (k)	Disc material Aluminiumbronze (k)	Ductile cast iron (k)
50	2"	95	95	
65	2 1/2"	231	231	
80	3"	491	491	
100	4"	690	690	
125	5"	1450	1450	
150	6"	1945	1945	
200	8"	4095	4095	
250	10"	6085	4260	4260
300	12"	9570	6360	6360
350	14"	13500	8975	8975
400	16"	16350	10130	10130
450	18"	21550	12730	12730
500	20"	27700	17000	17000
600	24"	37200	24810	24810
700	28"	34470	34470	34470
800	32"	45540	45540	45540
900	36"	58290	58290	58290
1000	40"	73510	73510	73510
KNT	Taottu rauta / Rilsan	Ruostumatton teräs	Ruostumatton teräs	NBR
JNT	Taottu rauta / Rilsan	Ruostumatton teräs	Ruostumatton teräs	EPDM

ORDER CODES - MODELS EVS/EVBS

Ordering example: LÄWW1525

ORDER CODES BUTTERFLY VALVE EVS

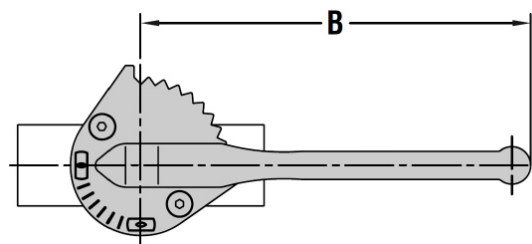
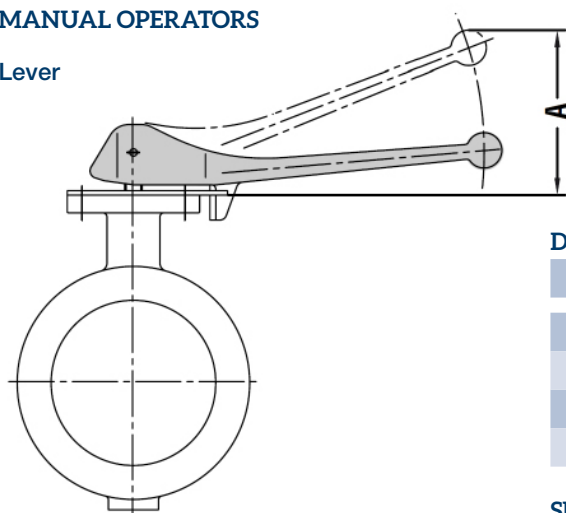
DN	WW code BE GG/4462/EPDM LÄWW	WW code AE GG/4462/EPDM LÄWW	WW code BA GG/431/EPDM LÄWW	Lever		Wormgear	
				L	LÄWW	WK	LÄWW
50	1015	1030	1045	1	2800	232/10	2900
65	1135	1150	1165	1	2800	232/10	2900
80	1255	1270	1285	1	2800	232/10	2900
100	1390	1405	1420	1	2800	232/12	2910
125	1525	1540	1555	2	2805	232/12	2910
150	1660	1675	1690	2	2805	232/16	2920
200	1795	1810	1825	3	2810	232/16	2920
250	1930	1945	1960	3	2810	232/24	2925
300	2065	2080	2095	4	2815	232/24	2925
350	2200	2215	2230	4	2815	232/24	2925
400	2285	2295	2305			987/30	2940
450		2325				987/30	2940
500	2345	2355	2365			987/30	2940
600	2405	2415	2421			987/40	2941
700	2460	2470				wkw/46	2965
800	2510	2520				wkw/46	2965
100	2610	2620				425/60	2970

ORDER CODES BUTTERFLY VALVE EVBS

DN	WW code BE GG/4462/EPDM LÄWW	WW code AK GG/4462/NBR LÄWW	WW code AE GG/4462/EPDM LÄWW	Lever		Wormgear	
				L	LÄWW	WK	LÄWW
50	1060	1075	1065	1	2800	232/10	2900
65	1180	1195	1190	1	2800	232/10	2900
80	1300	1315	1305	1	2800	232/10	2900
100	1435	1450	1440	2	2805	232/12	2910
125	1570	1585	1575	2	2805	232/12	2910
150	1705	1710	1710	3	2810	232/16	2920
200	1840	1855	1845	3	2810	232/16	2920
250	1975	1990	1980	4	2815	232/24	2925
300	2110	2125	2115	4	2815	232/24	2925

MANUAL OPERATORS

Lever



DIMENSIONS AND WEIGHTS

Lever	A	B	kg
L1	112	250	1
L2	112	250	1
L3	121	315	1,4
L4	184	500	3,2

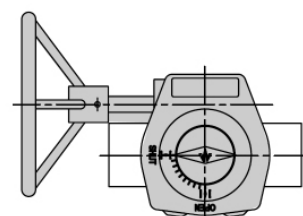
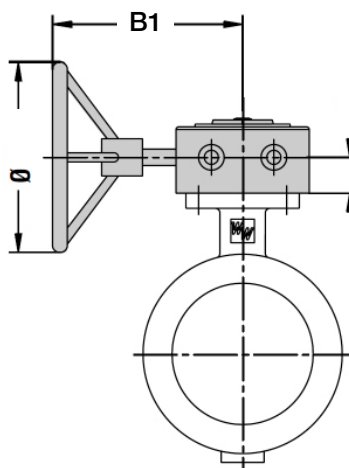
SELECTION OF LEVER, TYPE L

Valve DN	2,5 bar	6 bar	10 bar	16bar
50-80 (2-3)		L1		
100-125 (4-5)		L2		
150-200 (6-8)		L3		
250 (10)	L4			
300 (12)	L4			

- » for open/close and regulating purposes
- » cast iron
- » notch plate with 10 positions

WORMGEAR

- » aluminium
- » stroke 90° +/- 5° adjustment
- » clockwise closing
- » IP64 (DIN 40050/IEC 529)
- » operating temperature -20°C ~ 80°C



For suitable valve/wormgear combinations please see page 2

Wormgear	A1	B1	C	kg
WK 232 - 05 M100	100	104	21	1
WK 232 - 07 M125	125	123	30	2
WK 232 - 10 M300	300	228	36	5
WK 232 - 12 M400	400	294	40	8
WK S 980 M125	125	134	27	1,3
WK S 984 M300	300	223	29	4,4
WK S 987 M350	350	252	33	8
AM 1	150	155	30	2,5
AM 2	315	190	42	4,5