BUTTERFLY VALVE

Concentric Butterfly Valve - Wafer Type
PN10, DN40 ~ DN300

MODEL: KKD-81E Wafer

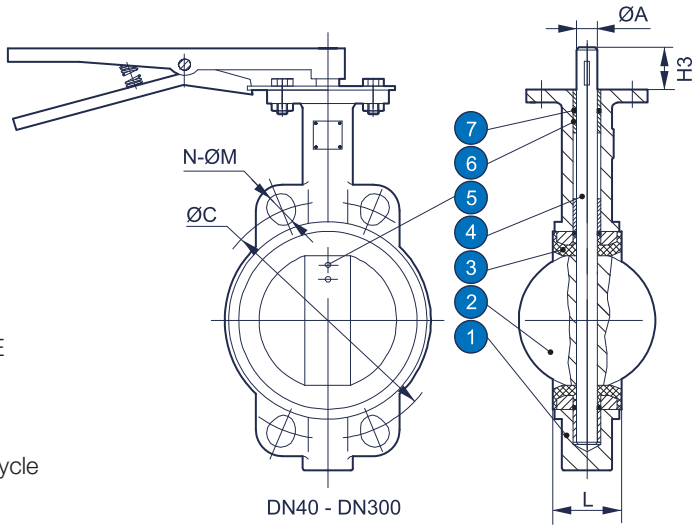
» Features
- Suitable for use in HVAC, irrigation, industrial applications where positive shutoff is required
- Single through-put shaft provides most economical pricing
- 10 position lever or gear operation
- Alloy material available on request

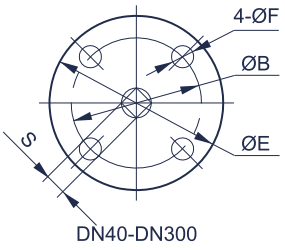
» Standards
- Inspection & test acc. to EN12266-1

» Temperature Range
PMA: See Table A
TMA: See Table B

» Limitation
- Do not use EPDM when hydrocarbons are present.
- Kindly anticipate increased torque for PTFE coated disc + PTFE seat option; gear operation recommended for sizes ≥ 4".

» Options
- Double shaft style available for increased performance and lifecycle
- Coated disc available in: rubber, PTFE, nylon





Materials List

NO	PARTS NAME	MATERIAL
1	BODY	CF8M / CF8 / CI / DI
2	DISC	CF8M / CF8 / CI / DI
3	SEAT	NBR / EPDM / VITON
4	STEM	SS410
5	TAPER PIN	SS
6	BUSHING	PTFE
7	O-RING	EPDM

Dimensions (mm)

Size		H1	H2	H3	L	ØD	ØC	N-ØM	ØA	ØE	ØB	ØF	S
IN	DN												
1½"	40	70	110	32	35	42.4	110	4-Ø18	12.7	92	70	9	9
2"	50	76	162	32	45	52.9	125	4-Ø18	12.7	92	70	9	9
2½"	65	89	175	32	48	64.6	145	4-Ø18	12.7	92	70	9	9
3"	80	95	181	32	49	79	160	4-Ø18	12.7	92	70	9	9
4"	100	114	200	32	55	104.4	180	8-Ø18	15.8	92	70	9	11
5"	125	127	213	32	58	129.5	210	8-Ø18	19	92	70	9	14
6"	150	140	225	32	59	155.8	240	8-Ø23	19	92	70	9	14
8"	200	177	260	36	64	202.7	295	8-Ø23	22.2	125	102	11	17
10"	250	203	292	36	70	250.7	350	12-Ø23	28.6	125	102	11	22
12"	300	242	337	36	80	301.9	400	12-Ø23	31.8	150	120	13	22

Table A: Maximum Pressure Rating

SIZE	RUBBER SEAT	PTFE SEAT	PTFE SEAT+ PTFE COATED DISC
≤DN150 (6")	13.7 bar (200psi)	13.7 bar (200psi)	10.3 bar (150 psi)
DN200 (8")	13.7 bar (200psi)	10.3 bar (150 psi)	10.3 bar (150 psi)
DN250 (10")~ DN300 (12")	13.7 bar (200psi)	10.3 bar (150 psi)	6.9 bar (100 psi)
DN350 (14")~ DN600 (24")	10.3 bar (150 psi)	6.9 bar (100 psi)	6.9 bar (100 psi)
≥DN600 (24")	6.9 bar (100 psi)	-	-
Gear Operation Recommendation	≥ 300	≥ DN150	≥ 100

Table B: Temperature Rating

SEAT	APPLICABLE TEMEPRATURE
NBR	-20°C to +80°C (-4°F to 176°F)
EPDM	-20°C to +120°C (-4°F to 248°F)
VITON	-10°C to +200°C (+14°F to 392°F)
PTFE	-20°C to +150°C (-4°F to 302°F)

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E-mail: geral@klinger.pt - www.klinger.pt

BUTTERFLY VALVE

Concentric Butterfly Valve - Wafer Type
PN10, DN350 ~ DN1200

MODEL: KKD-81E Wafer

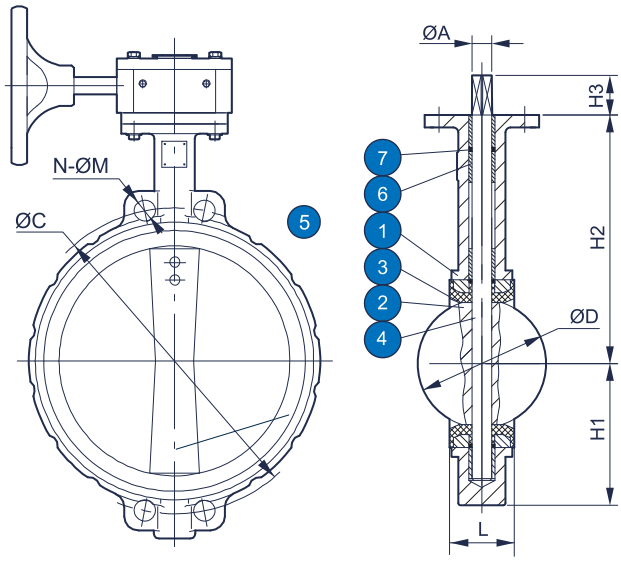
» Features
- Suitable for use in HVAC, irrigation, industrial applications where positive shutoff is required
- Single through-put shaft provides most economical pricing
- 10 position lever or gear operation
- Alloy material available on request

» Standards
- Inspection & test acc. to EN12266-1

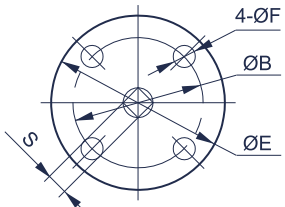
» Temperature Range
PMA: See Table A
TMA: See Table B

» Limitation
- Do not use EPDM when hydrocarbons are present.
- Kindly anticipate increased torque for PTFE coated disc + PTFE seat option; gear operation recommended for sizes ≥ 4".

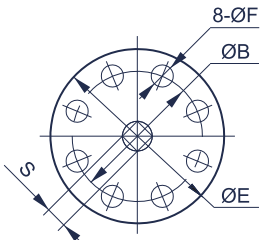
» Options
- Double shaft style available for increased performance and lifecycle
- Coated disc available in: rubber, PTFE, nylon



DN350-DN1200



DN350-DN500



DN600-DN1200

Materials List

NO	PARTS NAME	MATERIAL
1	BODY	CF8M / CF8 / CI / DI
2	DISC	CF8M / CF8 / CI / DI
3	SEAT	NBR / EPDM / VITON
4	STEM	SS410
5	TAPER PIN	SS
6	BUSHING	PTFE
7	O-RING	EPDM

Dimensions (mm)

Size		H1	H2	H3	L	ØD	ØC	N-ØM	ØA	ØE	ØB	ØF	S
IN	DN												
14"	350	267	368	45	80	333.3	460	16-Ø23	31.8	150	120	13	22
16"	400	298	400	51	90	389.6	515	16-Ø27	33.3	210	165	22	22
18"	450	318	422	51	109	439.9	565	20-Ø27	38	210	165	22	27
20"	500	349	479	64	135	491.6	620	20-Ø27	41	210	165	22	27
24"	600	410	562	70	156	592.3	725	20-Ø30	50	300	254	18	36
28"	700	520	624	72	169	694.1	840	24-Ø30	55	300	254	18	40
30"	750	516	624	72	175	744.2	-	-	55	300	254	18	40
32"	800	591	672	83	195	794.2	950	24-Ø33	55	300	254	18	40
36"	900	611	768	77	211	863.4	1050	28-Ø33	74	300	254	18	53
40"	1000	665	823	85	229	963.4	1160	28-Ø36	84	300	254	18	60
48"	1200	955	880	206	249	1185	1380	32-Ø39	92	350	298	22	60

Table A: Maximum Pressure Rating

SIZE	RUBBER SEAT	PTFE SEAT	PTFE SEAT+ PTFE COATED DISC
≤DN150 (6")	13.7 bar (200psi)	13.7 bar (200psi)	10.3 bar (150 psi)
DN200 (8")	13.7 bar (200psi)	10.3 bar (150 psi)	10.3 bar (150 psi)
DN250 (10")~ DN300 (12")	13.7 bar (200psi)	10.3 bar (150 psi)	6.9 bar (100 psi)
DN350 (14")~ DN600 (24")	10.3 bar (150 psi)	6.9 bar (100 psi)	6.9 bar (100 psi)
≥DN600 (24")	6.9 bar (100 psi)	-	-
Gear Operation Recommendation	≥ 300	≥ DN150	≥ 100

Table B: Temperature Rating

SEAT	APPLICABLE TEMEPRATURE
NBR	-20°C to +80°C (-4°F to 176°F)
EPDM	-20°C to +120°C (-4°F to 248°F)
VITON	-10°C to +200°C (+14°F to 392°F)
PTFE	-20°C to +150°C (-4°F to 302°F)

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BUTTERFLY VALVE

Concentric Butterfly Valve - Wafer Type
PN16, DN40 ~ DN300

MODEL: KKD-81E Wafer

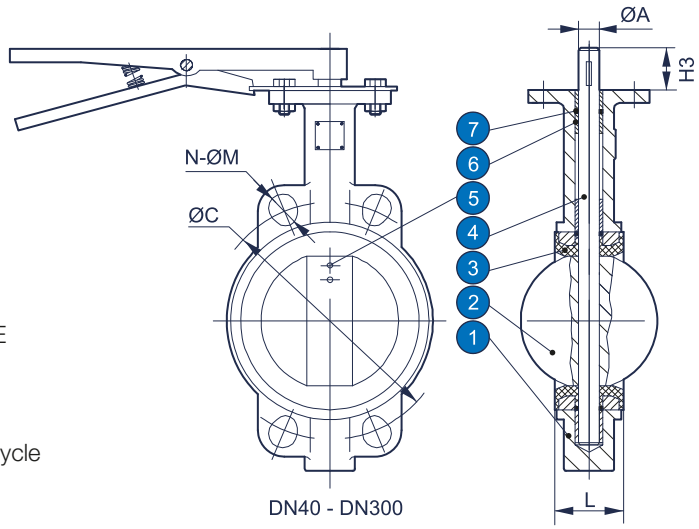
» Features
- Suitable for use in HVAC, irrigation, industrial applications where positive shutoff is required
- Single through-put shaft provides most economical pricing
- 10 position lever or gear operation
- Alloy material available on request

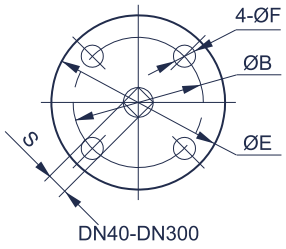
» Standards
- Inspection & test acc. to EN12266-1

» Temperature Range
PMA: See Table A
TMA: See Table B

» Limitation
- Do not use EPDM when hydrocarbons are present.
- Kindly anticipate increased torque for PTFE coated disc + PTFE seat option; gear operation recommended for sizes ≥ 4".

» Options
- Double shaft style available for increased performance and lifecycle
- Coated disc available in: rubber, PTFE, nylon





Materials List

NO	PARTS NAME	MATERIAL
1	BODY	CF8M / CF8 / CI / DI
2	DISC	CF8M / CF8 / CI / DI
3	SEAT	NBR / EPDM / VITON
4	STEM	SS410
5	TAPER PIN	SS
6	BUSHING	PTFE
7	O-RING	EPDM

Dimensions (mm)

Size		H1	H2	H3	L	ØD	ØC	N-ØM	ØA	ØE	ØB	ØF	S
IN	DN												
1½"	40	70	110	32	35	42.4	110	4-Ø18	12.7	92	70	9	9
2"	50	76	162	32	45	52.9	125	4-Ø18	12.7	92	70	9	9
2½"	65	89	175	32	48	64.6	145	4-Ø18	12.7	92	70	9	9
3"	80	95	181	32	49	79	160	4-Ø18	12.7	92	70	9	9
4"	100	114	200	32	55	104.4	180	8-Ø18	15.8	92	70	9	11
5"	125	127	213	32	58	129.5	210	8-Ø18	19	92	70	9	14
6"	150	140	225	32	59	155.8	240	8-Ø22	19	92	70	9	14
8"	200	177	260	36	64	202.7	295	12-Ø23	22.2	125	102	11	17
10"	250	203	292	36	70	250.7	355	12-Ø27	28.6	125	102	11	22
12"	300	242	337	36	80	301.9	410	12-Ø27	31.8	150	120	13	22

Table A: Maximum Pressure Rating

SIZE	RUBBER SEAT	PTFE SEAT	PTFE SEAT+ PTFE COATED DISC
≤DN150 (6")	13.7 bar (200psi)	13.7 bar (200psi)	10.3 bar (150 psi)
DN200 (8")	13.7 bar (200psi)	10.3 bar (150 psi)	10.3 bar (150 psi)
DN250 (10")~ DN300 (12")	13.7 bar (200psi)	10.3 bar (150 psi)	6.9 bar (100 psi)
DN350 (14")~ DN600 (24")	10.3 bar (150 psi)	6.9 bar (100 psi)	6.9 bar (100 psi)
≥DN600 (24")	6.9 bar (100 psi)	-	-
Gear Operation Recommendation	≥ 300	≥ DN150	≥ 100

Table B: Temperature Rating

SEAT	APPLICABLE TEMEPRATURE
NBR	-20°C to +80°C (-4°F to 176°F)
EPDM	-20°C to +120°C (-4°F to 248°F)
VITON	-10°C to +200°C (+14°F to 392°F)
PTFE	-20°C to +150°C (-4°F to 302°F)

BUTTERFLY VALVE

Concentric Butterfly Valve - Wafer Type
PN16, DN350 ~ DN1200

MODEL: KKD-81E Wafer

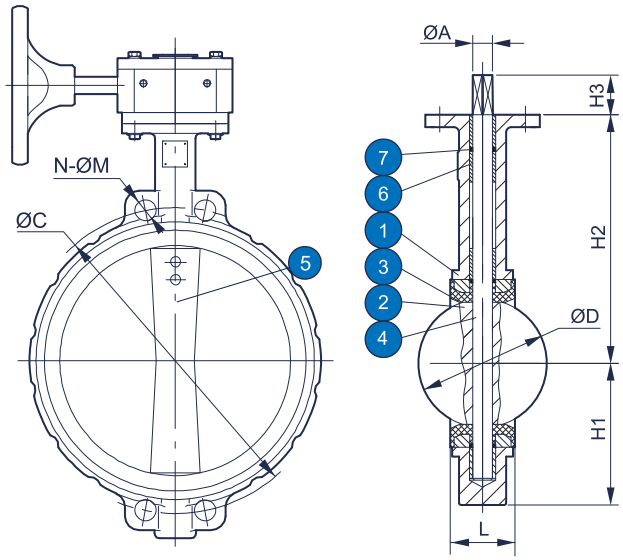
» Features
- Suitable for use in HVAC, irrigation, industrial applications where positive shutoff is required
- Single through-put shaft provides most economical pricing
- 10 position lever or gear operation
- Alloy material available on request

» Standards
- Inspection & test acc. to EN12266-1

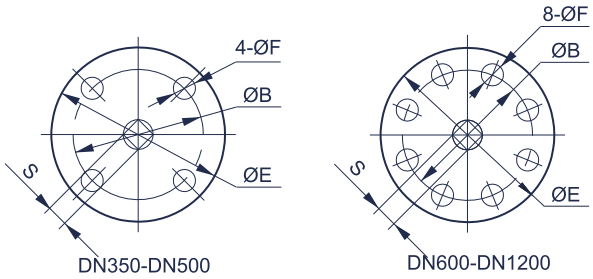
» Temperature Range
PMA: See Table A
TMA: See Table B

» Limitation
- Do not use EPDM when hydrocarbons are present.
- Kindly anticipate increased torque for PTFE coated disc + PTFE seat option; gear operation recommended for sizes ≥ 4".

» Options
- Double shaft style available for increased performance and lifecycle
- Coated disc available in: rubber, PTFE, nylon



DN350-DN1200



DN350-DN500 DN600-DN1200

Materials List

NO	PARTS NAME	MATERIAL
1	BODY	CF8M / CF8 / CI / DI
2	DISC	CF8M / CF8 / CI / DI
3	SEAT	NBR / EPDM / VITON
4	STEM	SS410
5	TAPER PIN	SS
6	BUSHING	PTFE
7	O-RING	EPDM

Dimensions (mm)

Size		H1	H2	H3	L	ØD	ØC	N-ØM	ØA	ØE	ØB	ØF	S
IN	DN												
14"	350	267	368	45	80	333.3	470	16-Ø27	31.8	150	120	13	22
16"	400	298	400	51	90	389.6	525	16-Ø30	33.3	210	165	22	22
18"	450	318	422	51	109	439.9	585	20-Ø30	38	210	165	22	27
20"	500	349	479	64	135	491.6	650	20-Ø33	41	210	165	22	27
24"	600	410	562	70	156	592.3	770	20-Ø36	50	300	254	18	36
28"	700	520	624	72	169	694.1	840	24-Ø36	55	300	254	18	40
30"	750	516	624	72	175	744.2	-	-	55	300	254	18	40
32"	800	591	672	83	195	794.2	950	24-Ø39	55	300	254	18	40
36"	900	611	768	77	211	863.4	1050	28-Ø39	74	300	254	18	53
40"	1000	665	823	85	229	963.4	1160	28-Ø42	84	300	254	18	60
48"	1200	955	880	206	249	1185	1380	32-Ø39	92	350	298	22	60

Table A: Maximum Pressure Rating

SIZE	RUBBER SEAT	PTFE SEAT	PTFE SEAT+ PTFE COATED DISC
≤DN150 (6")	13.7 bar (200psi)	13.7 bar (200psi)	10.3 bar (150 psi)
DN200 (8")	13.7 bar (200psi)	10.3 bar (150 psi)	10.3 bar (150 psi)
DN250 (10")~ DN300 (12")	13.7 bar (200psi)	10.3 bar (150 psi)	6.9 bar (100 psi)
DN350 (14")~ DN600 (24")	10.3 bar (150 psi)	6.9 bar (100 psi)	6.9 bar (100 psi)
≥DN600 (24")	6.9 bar (100 psi)	-	-
Gear Operation Recommendation	≥ 300	≥ DN150	≥ 100

Table B: Temperature Rating

SEAT	APPLICABLE TEMEPRATURE
NBR	-20°C to +80°C (-4°F to 176°F)
EPDM	-20°C to +120°C (-4°F to 248°F)
VITON	-10°C to +200°C (+14°F to 392°F)
PTFE	-20°C to +150°C (-4°F to 302°F)

BUTTERFLY VALVE

Concentric Butterfly Valve - Wafer Type
CLASS125/CLASS150, 1½" ~ 12"

MODEL: KKD-81E Wafer

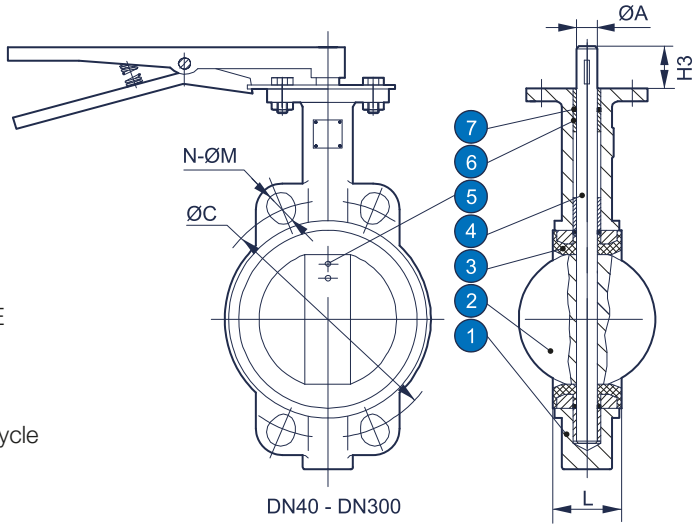
» Features
- Suitable for use in HVAC, irrigation, industrial applications where positive shutoff is required
- Single through-put shaft provides most economical pricing
- 10 position lever or gear operation
- Alloy material available on request

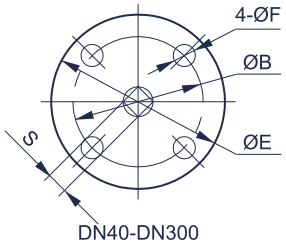
» Standards
- Inspection & test acc. to ISO 5208 or API 598

» Temperature Range
PMA: See Table A
TMA: See Table B

» Limitation
- Do not use EPDM when hydrocarbons are present.
- Kindly anticipate increased torque for PTFE coated disc + PTFE seat option; gear operation recommended for sizes ≥ 4".

» Options
- Double shaft style available for increased performance and lifecycle
- Coated disc available in: rubber, PTFE, nylon





Materials List

NO	PARTS NAME	MATERIAL
1	BODY	CF8M / CF8 / CI / DI
2	DISC	CF8M / CF8 / CI / DI
3	SEAT	NBR / EPDM / VITON
4	STEM	SS410
5	TAPER PIN	SS
6	BUSHING	PTFE
7	O-RING	EPDM

Dimensions (mm)

Size		H1	H2	H3	L	ØD	ØC	N-ØM	ØA	ØE	ØB	ØF	S	Weight kg
IN	DN													
1½"	40	70	110	32	35	42.4	99	4-Ø16	12.7	92	70	9	9	-
2"	50	76	162	32	45	52.9	121	4-Ø19	12.7	92	70	9	9	3.7
2½"	65	89	175	32	48	64.6	140	4-Ø19	12.7	92	70	9	9	4.4
3"	80	95	181	32	49	79	152	4-Ø19	12.7	92	70	9	9	4.9
4"	100	114	200	32	55	104.4	191	8-Ø19	15.8	92	70	9	11	6.5
5"	125	127	213	32	58	129.5	216	8-Ø22	19	92	70	9	14	7.8
6"	150	140	225	32	59	155.8	241	8-Ø22	19	92	70	9	14	9.2
8"	200	177	260	36	64	202.7	298	8-Ø22	22.2	125	102	11	17	14.7
10"	250	203	292	36	70	250.7	362	12-Ø25	28.6	125	102	11	22	21.2
12"	300	242	337	36	80	301.9	432	12-Ø25	31.8	150	120	13	22	46

Table A: Maximum Pressure Rating

SIZE	RUBBER SEAT	PTFE SEAT	PTFE SEAT+ PTFE COATED DISC
≤DN150 (6")	13.7 bar (200psi)	13.7 bar (200psi)	10.3 bar (150 psi)
DN200 (8")	13.7 bar (200psi)	10.3 bar (150 psi)	10.3 bar (150 psi)
DN250 (10")~ DN300 (12")	13.7 bar (200psi)	10.3 bar (150 psi)	6.9 bar (100 psi)
DN350 (14")~ DN600 (24")	10.3 bar (150 psi)	6.9 bar (100 psi)	6.9 bar (100 psi)
≥DN600 (24")	6.9 bar (100 psi)	-	-
Gear Operation Recommendation	≥ 300	≥ DN150	≥ 100

Table B: Temperature Rating

SEAT	APPLICABLE TEMEPRATURE
NBR	-4°F to 176°F (-20°C to +80°C)
EPDM	-4°F to 248°F (-20°C to +120°C)
VITON	+14°F to 392°F (-10°C to +200°C)
PTFE	-4°F to 302°F (-20°C to +150°C)

BUTTERFLY VALVE

Concentric Butterfly Valve - Wafer Type
CLASS125/CLASS150, 14” ~ 48”

MODEL: KKD-81E Wafer

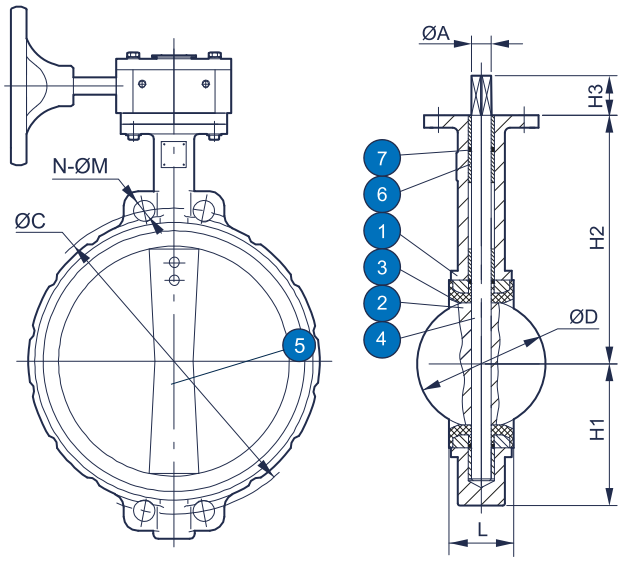
» Features
- Suitable for use in HVAC, irrigation, industrial applications where positive shutoff is required
- Single through-put shaft provides most economical pricing
- 10 position lever or gear operation
- Alloy material available on request

» Standards
- Inspection & test acc. to ISO 5208 or API 598

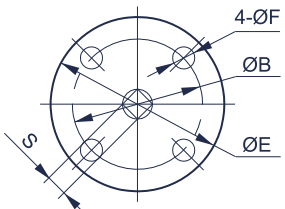
» Temperature Range
PMA: See Table A
TMA: See Table B

» Limitation
- Do not use EPDM when hydrocarbons are present.
- Kindly anticipate increased torque for PTFE coated disc + PTFE seat option; gear operation recommended for sizes ≥ 4”.

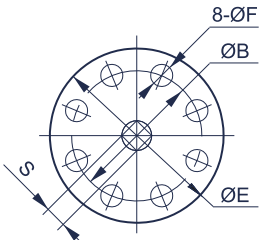
» Options
- Double shaft style available for increased performance and lifecycle
- Coated disc available in: rubber, PTFE, nylon



DN350-DN1200



DN350-DN500



DN600-DN1200

Materials List

NO	PARTS NAME	MATERIAL
1	BODY	CF8M / CF8 / CI / DI
2	DISC	CF8M / CF8 / CI / DI
3	SEAT	NBR / EPDM / VITON
4	STEM	SS410
5	TAPER PIN	SS
6	BUSHING	PTFE
7	O-RING	EPDM

Dimensions (mm)

Size		H1	H2	H3	L	ØD	ØC	N-ØM	ØA	ØE	ØB	ØF	S	Weight kg
IN	DN													
14"	350	267	368	45	80	333.3	476	12-Ø29	31.8	150	120	13	22	58.8
16"	400	298	400	51	90	389.6	540	16-Ø29	33.3	210	165	22	22	101.2
18"	450	318	422	51	109	439.9	578	16-Ø32	38	210	165	22	27	117.7
20"	500	349	479	64	135	491.6	635	20-Ø32	41	210	165	22	27	160.1
24"	600	410	562	70	156	592.3	749	20-Ø35	50	300	254	18	36	257.5
28"	700	520	624	72	169	694.1	-	-	55	300	254	18	40	-
30"	750	516	624	72	175	744.2	915	4-1¼"-6	55	300	254	18	40	-
32"	800	591	672	83	195	794.2	978	4-1½"-6	55	300	254	18	40	-
36"	900	611	768	77	211	863.4	1086	4-1½"-6	74	300	254	18	53	-
40"	1000	665	823	85	229	963.4	-	-	84	300	254	18	60	-
48"	1200	955	880	206	249	1185	1423	44-Ø41	92	350	298	22	60	-

Table A: Maximum Pressure Rating

SIZE	RUBBER SEAT	PTFE SEAT	PTFE SEAT+ PTFE COATED DISC
≤DN150 (6")	13.7 bar (200psi)	13.7 bar (200psi)	10.3 bar (150 psi)
DN200 (8")	13.7 bar (200psi)	10.3 bar (150 psi)	10.3 bar (150 psi)
DN250 (10")~ DN300 (12")	13.7 bar (200psi)	10.3 bar (150 psi)	6.9 bar (100 psi)
DN350 (14")~ DN600 (24")	10.3 bar (150 psi)	6.9 bar (100 psi)	6.9 bar (100 psi)
≥DN600 (24")	6.9 bar (100 psi)	-	-
Gear Operation Recommendation	≥ 300	≥ DN150	≥ 100

Table B: Temperature Rating

SEAT	APPLICABLE TEMEPRATURE
NBR	-4°F to 176°F (-20°C to +80°C)
EPDM	-4°F to 248°F (-20°C to +120°C)
VITON	+14°F to 392°F (-10°C to +200°C)
PTFE	-4°F to 302°F (-20°C to +150°C)

BUTTERFLY VALVE

Concentric Butterfly Valve - Wafer Type
JIS10K, DN40 ~ DN300

MODEL: KKD-81E Wafer

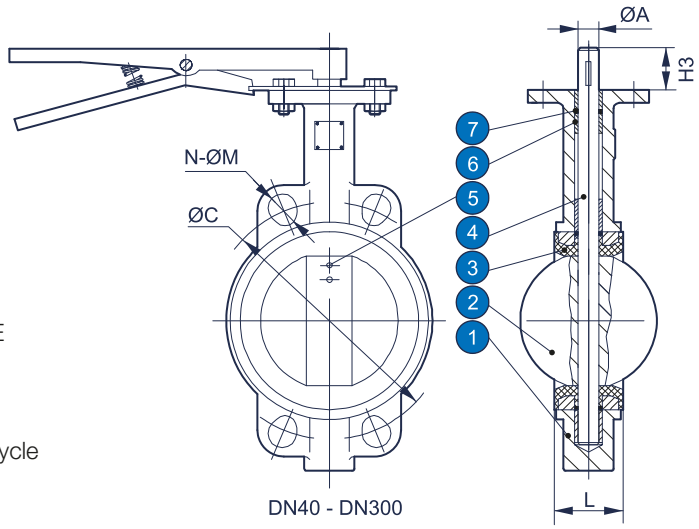
» Features
- Suitable for use in HVAC, irrigation, industrial applications where positive shutoff is required
- Single through-put shaft provides most economical pricing
- 10 position lever or gear operation
- Alloy material available on request

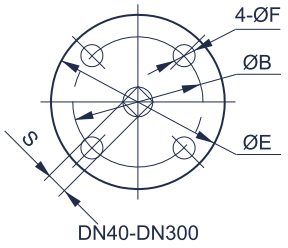
» Standards
- Inspection & test acc. to ISO 5208 or API 598

» Temperature Range
PMA: See Table A
TMA: See Table B

» Limitation
- Do not use EPDM when hydrocarbons are present.
- Kindly anticipate increased torque for PTFE coated disc + PTFE seat option; gear operation recommended for sizes ≥ 4".

» Options
- Double shaft style available for increased performance and lifecycle
- Coated disc available in: rubber, PTFE, nylon





KLINGER Portugal, Ltd.
E-mail: geral@klinger.pt - www.klinger.pt

Materials List

NO	PARTS NAME	MATERIAL
1	BODY	CF8M / CF8 / CI / DI
2	DISC	CF8M / CF8 / CI / DI
3	SEAT	NBR / EPDM / VITON
4	STEM	SS410
5	TAPER PIN	SS
6	BUSHING	PTFE
7	O-RING	EPDM

Dimensions (mm)

Size		H1	H2	H3	L	ØD	ØC	N-ØM	ØA	ØE	ØB	ØF	S
IN	DN												
1½"	40	70	110	32	35	42.4	95	4-Ø15	12.7	92	70	9	9
2"	50	76	162	32	45	52.9	120	4-Ø19	12.7	92	70	9	9
2½"	65	89	175	32	48	64.6	140	4-Ø19	12.7	92	70	9	9
3"	80	95	181	32	49	79	150	4-Ø19	12.7	92	70	9	9
4"	100	114	200	32	55	104.4	175	8-Ø19	15.8	92	70	9	11
5"	125	127	213	32	58	129.5	210	8-Ø22	19	92	70	9	14
6"	150	140	225	32	59	155.8	240	8-Ø22	19	92	70	9	14
8"	200	177	260	36	64	202.7	290	8-Ø22	22.2	125	102	11	17
10"	250	203	292	36	70	250.7	355	12-Ø25	28.6	125	102	11	22
12"	300	242	337	36	80	301.9	400	16-Ø25	31.8	150	120	13	22

Table A: Maximum Pressure Rating

SIZE	RUBBER SEAT	PTFE SEAT	PTFE SEAT+ PTFE COATED DISC
≤DN150 (6")	13.7 bar (200psi)	13.7 bar (200psi)	10.3 bar (150 psi)
DN200 (8")	13.7 bar (200psi)	10.3 bar (150 psi)	10.3 bar (150 psi)
DN250 (10")~ DN300 (12")	13.7 bar (200psi)	10.3 bar (150 psi)	6.9 bar (100 psi)
DN350 (14")~ DN600 (24")	10.3 bar (150 psi)	6.9 bar (100 psi)	6.9 bar (100 psi)
≥DN600 (24")	6.9 bar (100 psi)	-	-
Gear Operation Recommendation	≥ 300	≥ DN150	≥ 100

Table B: Temperature Rating

SEAT	APPLICABLE TEMEPRATURE
NBR	-20°C to +80°C (-4°F to 176°F)
EPDM	-20°C to +120°C (-4°F to 248°F)
VITON	-10°C to +200°C (+14°F to 392°F)
PTFE	-20°C to +150°C (-4°F to 302°F)

BUTTERFLY VALVE

Concentric Butterfly Valve - Wafer Type
JIS10K, DN350 ~ DN1200

MODEL: KKD-81E Wafer

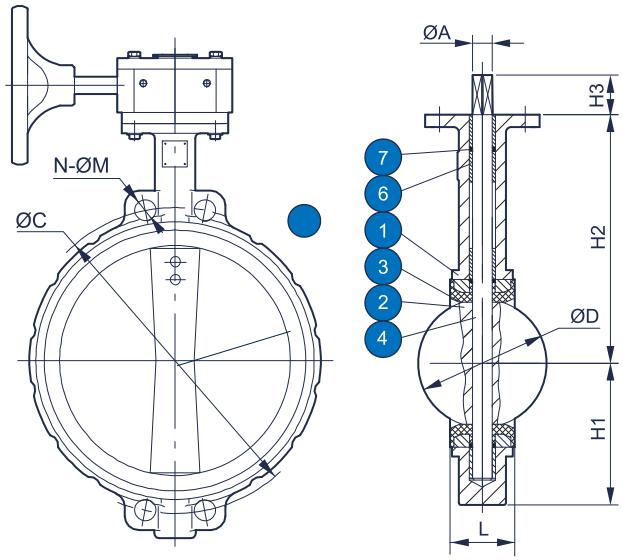
» Features
- Suitable for use in HVAC, irrigation, industrial applications where positive shutoff is required
- Single through-put shaft provides most economical pricing
- 10 position lever or gear operation
- Alloy material available on request

» Standards
- Inspection & test acc. to API 598

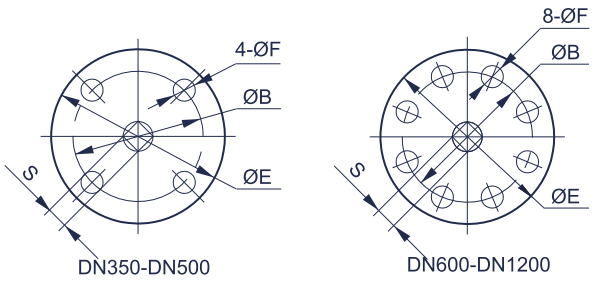
» Temperature Range
PMA: See Table A
TMA: See Table B

» Limitation
- Do not use EPDM when hydrocarbons are present.
- Kindly anticipate increased torque for PTFE coated disc + PTFE seat option; gear operation recommended for sizes ≥ 4".

» Options
- Double shaft style available for increased performance and lifecycle
- Coated disc available in: rubber, PTFE, nylon



DN350-DN1200



DN350-DN500 DN600-DN1200

Materials List

NO	PARTS NAME	MATERIAL
1	BODY	CF8M / CF8 / CI / DI
2	DISC	CF8M / CF8 / CI / DI
3	SEAT	NBR / EPDM / VITON
4	STEM	SS410
5	TAPER PIN	SS
6	BUSHING	PTFE
7	O-RING	EPDM

Dimensions (mm)

Size		H1	H2	H3	L	ØD	ØC	N-ØM	ØA	ØE	ØB	ØF	S
IN	DN												
14"	350	267	368	45	80	333.3	445	16-Ø25	31.8	150	120	13	22
16"	400	298	400	51	90	389.6	510	16-Ø27	33.3	210	165	22	22
18"	450	318	422	51	109	439.9	565	20-Ø27	38	210	165	22	27
20"	500	349	479	64	135	491.6	620	20-Ø27	41	210	165	22	27
24"	600	410	562	70	156	592.3	730	24-Ø33	50	300	254	18	36
28"	700	520	624	72	169	694.1	840	24-Ø33	55	300	254	18	40
30"	750	516	624	72	175	744.2	900	24-Ø33	55	300	254	18	40
32"	800	591	672	83	195	794.2	950	28-Ø33	55	300	254	18	40
36"	900	611	768	77	211	863.4	1050	28-Ø33	74	300	254	18	53
40"	1000	665	823	85	229	963.4	1160	28-Ø39	84	300	254	18	60
48"	1200	955	880	206	249	1185	1380	32-Ø39	92	350	298	22	60

Table A: Maximum Pressure Rating

SIZE	RUBBER SEAT	PTFE SEAT	PTFE SEAT+ PTFE COATED DISC
≤DN150 (6")	13.7 bar (200psi)	13.7 bar (200psi)	10.3 bar (150 psi)
DN200 (8")	13.7 bar (200psi)	10.3 bar (150 psi)	10.3 bar (150 psi)
DN250 (10")~ DN300 (12")	13.7 bar (200psi)	10.3 bar (150 psi)	6.9 bar (100 psi)
DN350 (14")~ DN600 (24")	10.3 bar (150 psi)	6.9 bar (100 psi)	6.9 bar (100 psi)
≥DN600 (24")	6.9 bar (100 psi)	-	-
Gear Operation Recommendation	≥ 300	≥ DN150	≥ 100

Table B: Temperature Rating

SEAT	APPLICABLE TEMEPRATURE
NBR	-20°C to +80°C (-4°F to 176°F)
EPDM	-20°C to +120°C (-4°F to 248°F)
VITON	-10°C to +200°C (+14°F to 392°F)
PTFE	-20°C to +150°C (-4°F to 302°F)