



PN 10/16 - DN 80...600

KAT-A 3717-MOK

Product characteristics and benefits

- Resilient seated
- Face-to-face length acc. to AWWA C517
- With flange ends on both sides acc. to EN 1092-2, PN 10/16
- Compact, resilient seated valve
- Round port for high flow, low head loss and prevention of clogging
- Excentric action rotates plug without scraping
- Weld overlaid corrosion resistant seat
- Low maintenance due to adjustable shaft packing
- Permanently lubricated bearings for long-term and low torque operation
- With fully enclosed, maintenance-free worm gear including mechanical position indicator and handwheel

Materials

- Body: Ductile cast iron ASTM A536 Grade 65-45-12 (EN-JS 1050)
- Seat: 95% pure nickel
- Cover: Ductile cast iron ASTM A536 Grade 65-45-12 (EN-JS 1050)
- closure device: Ductile cast iron ASTM A536 Grade 65-45-12 (EN-JS 1050) vulcanized with NBR coating
- Bearings: Stainless steel 316 (1.4401)
- Grit excluder: NBR (>DN made of PTFE)
- Screws: Stainless steel 316 (A4)

Corrosion protection

- Internally and externally epoxy coated

Versions

- Standard version as described
- With electric actuator
- With notched hand lever
- With chainwheel
- Bigger sizes available on request
- Other flange connections available on request

Field of Application

- Chamber installation
- Installation in plants
- Wastewater systems



Tests and approvals

- Final inspection test
 - Factory test (assembled valve) with 3 complete cycles
 - Tested acc. to American Water Works Association (AWWA), Standard C517:
 - Body test at 150% rated pressure:
 - Bi-directional leakage test to be performed at rated differential pressure; no leakage permitted

Accessories

- T-key
- Extension spindle
- Surface box cast iron
- Position indicator

Note

For proper installation and safe operation please follow the installation and operation instructions:

KAT-B 3717

Field of application

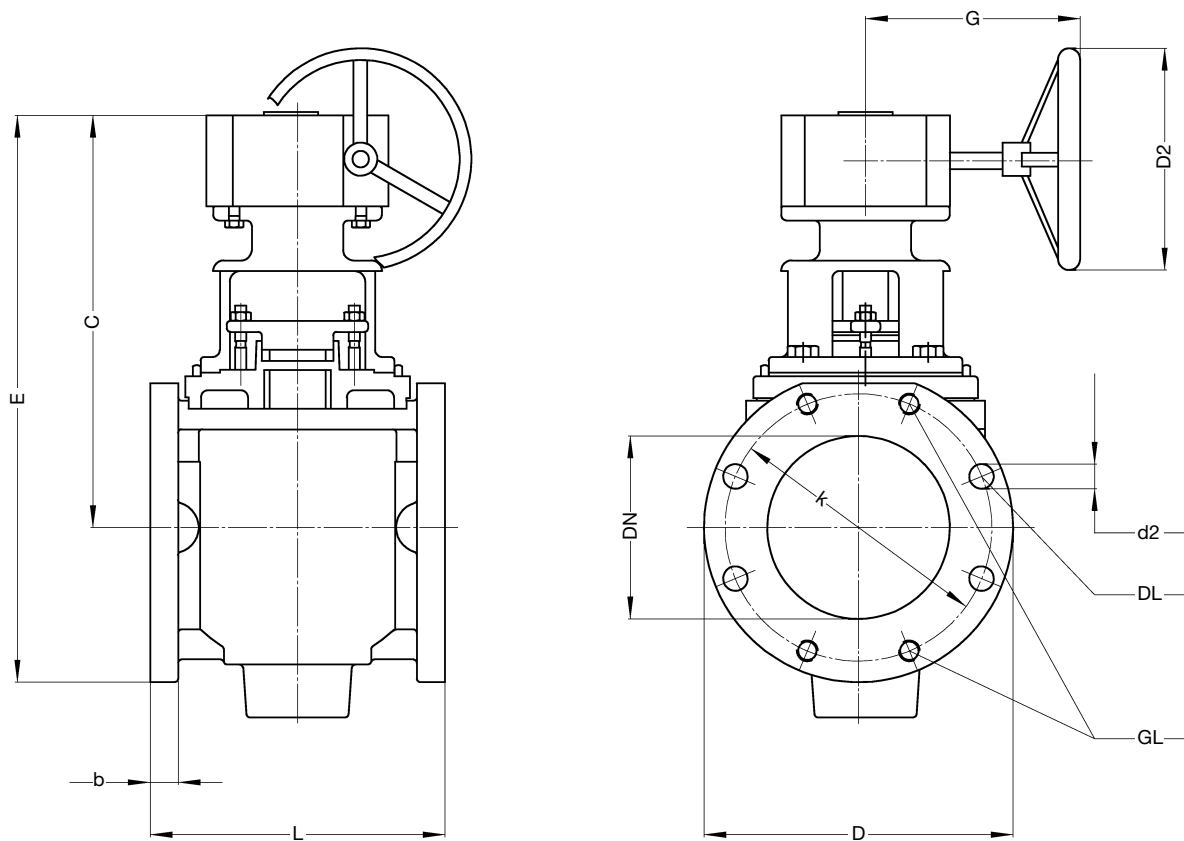
Size	PN	Maximum operating pressure	Maximum operating temperature for neutral liquids
[mm]		[bar]	[°C]
80...600	10	10	50
200...600	16	10	50

"PN" describes the flange design - not the admissible pressure!

Pressure test acc. to EN 12266

Test pressure body with water	Test pressure seat with water
[bar]	[bar]
15	11
15	11

Drawing



DL: through hole
GL: threaded hole

Technical data

PN 10

DN		80	100	150	200	250	300	350	400	450	500	600
C	[mm]	298	343	365	478	526	563	752	798	798	846	846
D	[mm]	200	220	285	340	395	445	505	565	615	670	780
D2	[mm]	226	300	300	300	300	300	500	500	500	500	500
E	[mm]	411	453	508	648	724	786	1005	1081	1106	1181	1236
G	[mm]	232	232	232	267	267	267	500	500	500	500	500
L	[mm]	203	229	267	292	330	356	432	451	762	914	1067
b	[mm]	19	19	19	20	22	24.5	24.5	24.5	25.5	26.5	30
k	[mm]	160	180	240	295	350	400	460	515	565	620	725
Number of holes		8	8	8	8	12	12	16	16	20	20	20
DL number		8	6	6	4	8	8	12	12	20	16	20
DL d2	[mm]	19	19	23	23	23	23	23	28	28	28	31
GL number		-	2	2	4	4	4	4	-	4	-	-
GL thread		-	M16	M20	M20	M20	M20	M20	M24	-	M24	-
Weight approx.	[kg]	33.00	52.00	71.00	138.00	179.00	221.00	344.00	433.00	570.00	911.00	1001.00



Technical data

PN 16

DN		200	250	300	350	400	450	500	600
C	[mm]	478	526	563	752	798	798	846	846
D	[mm]	340	405	460	520	580	640	715	840
D2	[mm]	300	300	300	500	500	500	500	500
E	[mm]	648	729	793	1012	1088	1118	1204	1266
G	[mm]	267	267	267	500	500	500	500	500
L	[mm]	292	330	356	432	451	762	914	1067
b	[mm]	20	22	24.5	24.5	24.5	25.5	26.5	30
k	[mm]	295	355	410	470	525	585	650	770
Number of holes		12	12	12	16	16	20	20	20
DL number		4	8	8	12	12	20	16	20
DL d2	[mm]	23	28	28	28	31	31	34	37
GL number		4	4	4	4	4	-	4	-
GL thread		M20	M24	M24	M24	M27	M27	M30	M33
Weight approx.	[kg]	138.00	179.00	221.00	344.00	433.00	570.00	911.00	1001.00