



PN 10 - DN 700...1400

KAT-A 2410-XL

Product characteristics and benefits

- Face-to-face length acc. to EN 558-1, basic series 20 (DIN 3202 / K1)
- With flange end acc. to EN 1092-2, PN 10
- Full-flange design, both as wafer type and for pipeline end installation, without additional counter flange at full differential pressure
- Full-flange design with unrestricted flow passage
- Leakproof from both flow directions
- Specially shaped horizontal sealing with double quad ring profile and integrated PTFE sliding rails for reducing operation forces
- Horizontal and axial guiding of the knife on flexible plastic sliding rails
- Horizontal sealing adjustable during operation and replaceable with the valve installed in the pipeline
- Scraper installed on both sides of the plate to clean the knife
- Handwheel version with AUMA bevel gearbox GK (type A for rising stem)
- With handwheel

Materials

- Body parts, bearing plate and gland: Cast iron EN-GJL-250 (GG-25)
- Knife: Stainless steel 1.4301
- U-sealing and horizontal sealing: Elastomer (NBR)
- Fittings: Stainless steel A2 (DIN EN ISO 3506)
- Yoke and sheet metal covering: Stainless steel 1.4301
- Stem: Stainless steel 1.4021

Corrosion protection

- Cast iron parts: Epoxy coated

Versions

- Standard version as described
- Gate: Stainless steel 1.4571
- Stem: Stainless steel 1.4057
- Drive variant:
 - Electrical
 - Pneumatical
 - Hydraulically

Field of application

- Chamber installation
- Installation in plants
- Wastewater systems



Tests and approvals

- Final inspection test acc. to EN 12266

Note

For information about thread depths and bolt/screw lengths, please refer to the relevant Installation and Operating Instructions.

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

KAT-B 2410-HR

Field of application

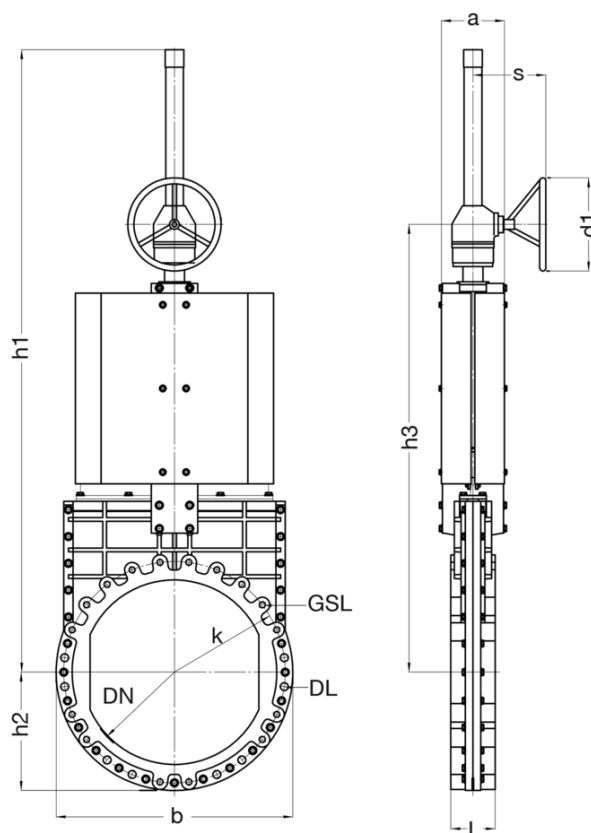
DN	PN	Maximum operating pressure [bar]	Maximum operating temperature for neutral liquids [°C]
700...800	10	4	50
900...1000	10	2.5	50
1200...1400	10	2	50

Tightness only ensured up to maximum admissible operating pressure!

Pressure test acc. to EN 12266

Test pressure body with water [bar]	Test pressure seat with water [bar]
6	4
3.75	2.5
3	2

Drawing



GSL: threaded hole DL: through hole

Technical data

PN 10

DN	700	800	900	1000	1200	1400
PS [bar]	4	4	2.5	2.5	2	2
L [mm]	165	190	203	216	254	279
b [mm]	895	1015	1115	1230	1455	1675
k [mm]	840	950	1050	1160	1380	1590
a [mm]	270	270	270	270	310	310
d1 [mm]	400	400	500	500	500	500
h1 [mm]	2410	2670	2960	3250	3780	4310
h2 [mm]	447.5	507.5	557.5	615	727.5	837.5
h3 [mm]	1755	1925	2110	2300	2620	2990
s [mm]	315	315	315	315	315	315
Connection ISO 5210	F14	F14	F14	F14	F16	F16
Actuator type A drilled	TR 36 x 6 LH	TR 36 x 6 LH	TR 44 x 8 LH	TR 44 x 8 LH	TR 60 x 8 LH	TR 60 x 8 LH
Gearbox type	AUMA GKA 14.2 (i2,8:1)	AUMA GK 14.2 (i2,8:1)	AUMA GKA 14.6 (i4:1)	AUMA GK 14.6 (i4:1)	AUMA GKA 16.2 (i5,6:1)	AUMA GK 16.2 (i5,6:1)
Flange drilling x M	24 x M27	24 x M30	28 x M30	28 x M33	32 x M36	36 x M39
DL	8	8	10	10	8	10
DL Ø	31	34	34	37	41	44
GSL per side	16	16	18	18	24	26
GSL thread	M27	M30	M30	M33	M36	M39
Turns/stroke	327	374	450	500	840	980
Weight with handwheel approx. [kg]	600.0	720.0	850.0	1200.0	1800.0	2300.0