


PN 16 - DN 80...300

KAT-A 1013-MU-SP

Product characteristics and benefits

- Resilient seated in accordance with EN 1074
- With socket connection on one side and spigot end connection on the other side
- Boltless bonnet with pressure supported sealing system
- Low operating torque due to plastic sliding guides on the wedge
- Double function socket type for internal and external bayonet locking acc. DIN 28603
- Spigot end with locking cams for internal bayonet locking
- External bayonet connection between pipe spigot end and BAIO®*plus* socket
- Corrosion-resistant due to boltless connection
- Pull-out proof due to positive connection and friction-locked connection
- Short assembly times due to easy assembly or disassembly
- Stress-free laying due to flexibility of inclination up to $\pm 3^\circ$
- Variable use for ductile cast iron pipes or plastic pipes due to easy replacement of sealing ring
- Maintenance-free and corrosion-resistant stem sealing
- With O-ring sealing
- Low wear due to wedge guiding and elongated stem bearing
- Suitable for vacuum of up to 90%

Materials

- Body: Ductile iron EN-GJS-400-15 (GGG-40)
- Bonnet: Ductile iron EN-GJS-400-15 (GGG-40)
- Wedge: Ductile iron EN-GJS-400-15 (GGG-40) encapsulated with EPDM vulcanized
- Stem: Stainless steel 1.4021
- Stem nut: Brass

Corrosion protection

- Internally and externally epoxy coated acc. to GSK guidelines

Versions

- Standard version as described
- With TYTON sealing ring (for ductile cast iron pipes)
- With GKS sealing ring (for PVC and PE-HD pipes)

Field of application

- Underground installation


Tests and approvals

- Final inspection test acc. to EN 12266
- DVGW tested and registered
- Elastomers approved acc. to W270

Accessories

- T-key
- Installation equipment
- Extension spindle
- Surface box cast iron
- Plastic base plate
- VAG SERIO®*plus* position indicator

Note

For proper installation and safe operation please follow the installation and operation instructions:
KAT-B 5210

Operating conditions

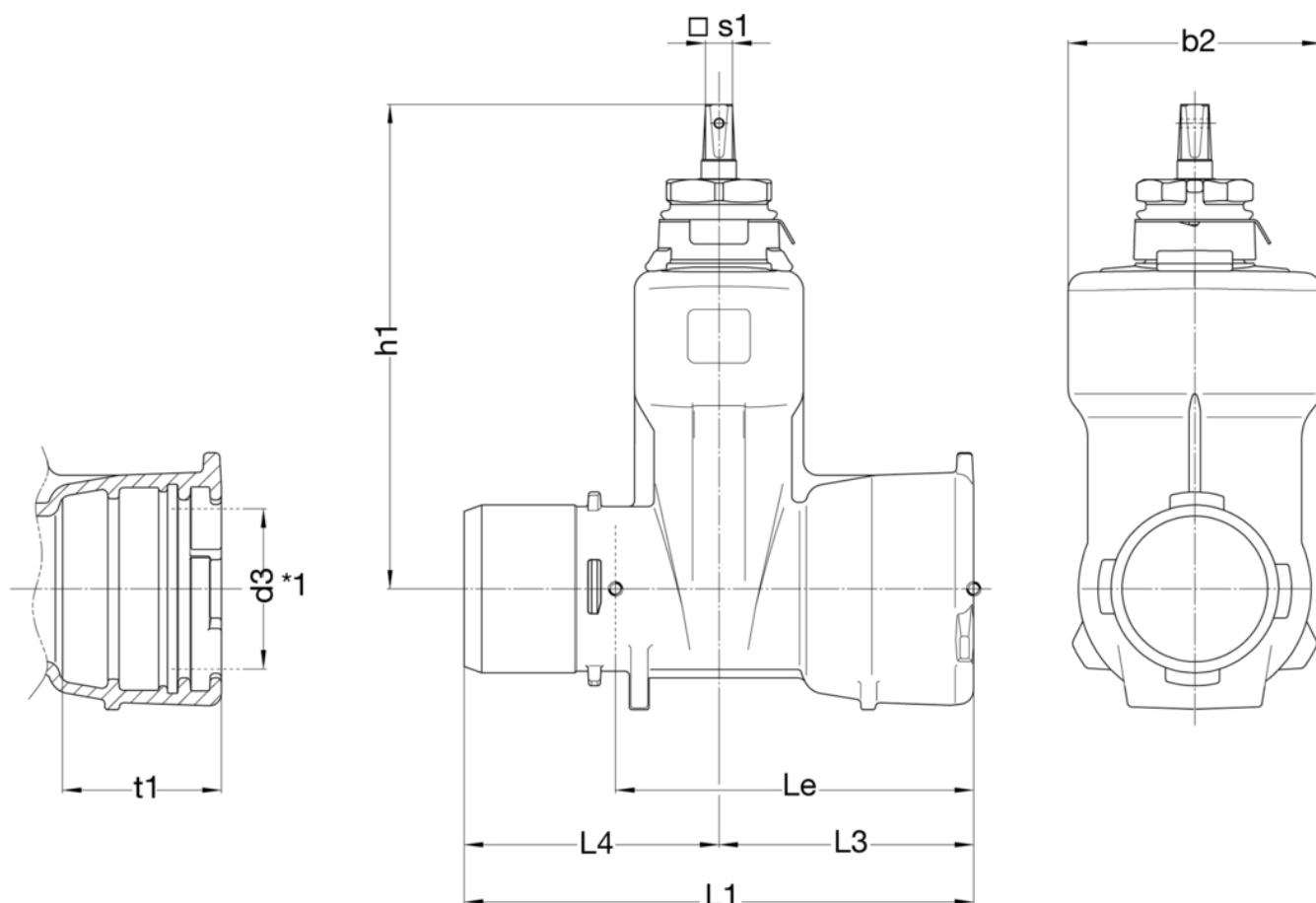
DN	PN	Maximum operating pressure [bar]	Maximum operating temperature for medium [°C]
80...300	16	16	50
200	10	10	50

Pressure test acc. to EN 12266

Test pressure body with water [bar]	Test pressure seat with water [bar]
24	17.6
15	11



Drawing



*1: dr3= Diameter of ductile cast iron pipe
or d3= da diameter PE pipe

Technical data

PN 16

DN		80	100	100	125	150	150	200	250	300
-	[mm]	90	110	125	140	160	180	200/225	250/280	315
	[mm]	98	118	-	144	170	-	222	274	326
L1	[mm]	330	356	350	370	388	390	430	549	580
L3	[mm]	166.5	178	177.5	187	193.5	195	210	264	270
L4	[mm]	163.5	178	172.5	183	194.5	195	220	285	310
Le	[mm]	246	252	246	245	277	279	313	380	398
b2	[mm]	160	174	174	220	245	245	320	396	471
d3	[mm]	98	-	118	144	170	-	222	274	326
h1	[mm]	280	334	334	379	417	417	523	633	713
□ s1	[mm]	17	19	19	19	19	24	24	27	27
t1	[mm]	105	110	110	115	115	115	125	174	198
Turns/stroke		20	20	20	25	30	30	34	43	51
Weight approx.	[kg]	16.00	23.00	22.00	28.50	39.00	41.00	58.00	114.00	160.00
Volume approx.	[m ³]	0.02	0.02	0.02	0.04	0.05	0.05	0.09	0.17	0.25