



GK13

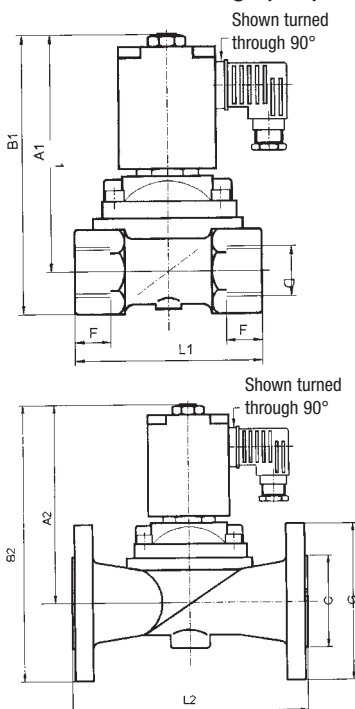
GK

Solenoid valves for neutral media up to 180 °C

The GK series piston-type solenoid valves are ideal for use as shutoff valves in heating and process engineering systems for neutral media such as hot water and steam. The valves require no minimum differential pressure and can open

and close even without pressure or with low differential pressures. Power socket included.

Dimensioned drawings (mm)



Technical data

Type	2/2-way
Operating mode	normally closed
Type of construction	Piston-type solenoid valve, coupled, no minimum differential pressure required.
Materials	Screwed version: brass; flange version: cast iron GG 25.
Sealing material	PTFE and graphite
Media	Neutral media, e. g. hot water and steam.
Temperature of medium	0°C to 180°C
Ambient temperature	max. 55°C
Viscosity	max. 21 mm ² /s
Line connection	G 1/2 to G 2, flange for DN 25—DN 50
Operating voltages (±10%)	230 V, 50 Hz
Duty cycle	100%
Electrical connection	Angled plug to DIN EN175301
Power consumption	Start: 100 VA; operation: 35 VA, DN 50: 30 W
Protection class	IP 65
Mounting position	Any, solenoid actuator preferably upwards
Switching times (standard values)	opening: DN 15—DN 25: 100—400 ms DN 32—DN 50: 200—1200 ms closing: DN 15—DN 25: 300—500 ms DN 32—DN 50: 1000—3000 ms

Product Summary

Type	DN (mm)	k _{vs} -value (m ³ /h)	Working pressure (bar)	Connection	Material	Weight (kg)
GK13	13	3,7	0–10	G 1/2"	Ms	1,0
GK20	20	5,0	0–10	G 3/4"	Ms	1,4
GK25	25	10,0	0–10	G 1"	Ms	1,9
GK32	32	16,0	0–10	G 1 1/4"	Ms	3,2
GK40	40	16,0	0–10	G 1 1/2"	Ms	3,7
GK50	50	36,0	0–10	G 2"	Ms	7,8
GK25F	25	10,0	0–10	Flange	GG 25	4,6
GK32F	32	16,0	0–10	Flange	GG 25	7,0
GK40F	40	16,0	0–10	Flange	GG 25	7,5
GK50F	50	36,0	0–10	Flange	GG 25	12,8

Device plug with LED

Type	
ST221	für 200 V – 240 V AC/DC

DN	Screwed versions					Flange versions				
	D	L 1	A 1	B 1	F	C	G	L 2	A 2	B 2
13	G 1/2"	65	113	127	14					
20	G 3/4"	100	131	147	16					
25	G 1"	115	136,5	157	18	68	120	160	140,5	210,5
32	G 1 1/4"	126	161	186	20	78	140	180	161	231
40	G 1 1/2"	126	165	195	22	88	150	200	165	240
50	G 2"	164	225	260	24	102	165	230	225	307,5