

Product Information

GKL-025..050G / M

**Flow Meter
 GKL**



- Large, easily visible scale
- Set-point indicator
- Optionally switching output

Characteristics

A float moves in a transparent conical measurement tube, relative to the flow. The position of the float depends on the volume flow (weight force versus resistance to flow), and indicates the flow rate on the scaled measurement tube.

Technical data

Switch	optional reed switch	
Nominal width	DN 25..50	
Process connection	malleable cast iron, female thread Rp 1" ..Rp 2" PVC glue socket Ø32..63	
Metering range	1.3..4150 l/min	for details see table "Ranges"
Q_{max.}	to 4150 l/min	
Tolerance	±3 % of full scale value	
Pressure resistance	malleable cast iron PVC	PN 15 bar PN 10 bar
Medium temperature	malleable cast iron PVC	-20..+60 °C optionally 5..100 °C measurement tube made from PSU 5..60 °C
Ambient temperature	malleable cast iron PVC	-20..+60 °C 5..60 °C
Media	water, gases	
Electrical data	see "Additional devices for GK / GKL"	

Materials medium-contact	<i>malleable cast iron connection:</i> PA 6-3-T, malleable cast iron, Viton float made from PP or 1.4571 optionally, measurement tube made from PSU	<i>PVC connection:</i> PA 6-3-T, PVC, Viton float made from PP or 1.4571 optionally, measurement tube made from PSU
Non-medium-contact materials	PA	
Weight	see table "Dimensions and weights"	
Installation location	vertical inwards flow from below	

Ranges

●=Standard ○=Optional

Medium water / float PP

The details in the table correspond to a vertical inwards flow from below.

	Metering range l/h	Magnet		Type
		without	with	
DN 25 Rp 1 "	100 - 1000	●		GKL-025.TW1000PO
			○	GKL-025.TW1000PM
DN 32 Rp 1 1/4 "	150 - 1600	●		GKL-032.TW1000PO
			○	GKL-032.TW1000PM
DN 40 Rp 1 1/2 "	200 - 2500	●		GKL-040.TW1600PO
			○	GKL-040.TW1600PM
	300 - 3300	●		GKL-040.TW2500PO
			○	GKL-040.TW2500PM
DN 50 Rp 2 "	200 - 2500	●		GKL-050.TW2500PO
			○	GKL-050.TW2500PM
	400 - 4000	●		GKL-050.TW4000PO
			○	GKL-050.TW4000PM
	600 - 6400	●		GKL-050.TW6400PO
			○	GKL-050.TW6400PM

Medium water / float stainless steel

The details in the table correspond to a vertical inwards flow from below.

	Metering range l/h	Magnet		Type
		without	with	
DN 25 Rp 1 "	100 - 1000	○		GKL-025.TW1000KO
			○	GKL-025.TW1000KM
DN 32 Rp 1 1/4 "	150 - 1600	○		GKL-032.TW1500KO
			○	GKL-032.TW1500KM
DN 40 Rp 1 1/2 "	300 - 2500	○		GKL-040.TW2500KO
			○	GKL-040.TW2500KM
DN 50 Rp 2 "	400 - 4000	○		GKL-050.TW4000KO
			○	GKL-050.TW4000KM
	600 - 6400	○		GKL-050.TW6400KO
			○	GKL-050.TW6400KM

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Medium air / float PP

The details in the table correspond to a vertical inwards flow from below, with the medium at a temperature of 0 °C and a pre-pressure of 1.013 bar.

Rp	Metering range m ³ /h	Magnet		Type	
		without	with		
DN 25 Rp 1 "	1 - 10	○		GKL-025.TL0100PO	
	1.25 - 10		○	GKL-025.TL0100PM	
	1.5 - 16		○		GKL-025.TL0160PO
				○	GKL-025.TL0160PM
DN 32 Rp 1 1/4 "	1.5 - 16	○		GKL-032.TL0160PO	
	2 - 25	○		GKL-032.TL0250PO	
	4 - 40		○		GKL-032.TL0400PO
				○	GKL-032.TL0400PM
DN 40 Rp 1 1/2 "	6 - 64		○	GKL-032.TL0640PM	
	2 - 25	○		GKL-040.TL0250PO	
	4 - 40	○		GKL-040.TL0400PO	
	5 - 50	○		GKL-040.TL0500PO	
DN 50 Rp 2 "	5 - 60		○	GKL-040.TL0600PM	
	4 - 40	○		GKL-050.TL0400PO	
	6 - 64	○		GKL-050.TL0640PO	
Rp 2 "	10 - 100	○		GKL-050.TL1000PO	
	15 - 160		○	GKL-050.TL1600PM	
	20 - 250		○	GKL-050.TL2500PM	

Dimensions and weights

Connection malleable, cast iron female thread

Rp	Types	L	L1	G	SW	X	Weight kg
Rp 1 "	GKL-025G..	402	350	G 1 1/2	55	17	0.8
Rp 1 1/4 "	GKL-032G..	410	350	G 2	66	19	1.3
Rp 1 1/2 "	GKL-040G..	414	350	G 2 1/4	74	20	1.8
Rp 2 "	GKL-050G..	420	350	G 2 3/4	90	24	2.4

Connection PVC, glue socket

DN	Types	d	G	L	L1	X	D	Weight kg
25	GKL-025M..	32	G 1 1/2	400	350	17	60	0.4
32	GKL-032M..	40	G 2	408	350	19	74	0.8
40	GKL-040M..	50	G 2 1/4	418	350	20	83	1.1
50	GKL-050M..	63	G 2 3/4	433	350	24	103	1.5



