

GENERAL CHARACTERISTICS

Flowmeter operates according to variable area principle with a cylindrical float moving flow-dependently in a conical plastic tube.

- * comfortable scale reading with good resolution
- * extended scale length
- * actual flow rate indicator min/max

Female thread Rp1 to Rp2 cast iron



GKL-050GTW0064PO

TECHNICAL DATA

	Rp	Type	metering range - float			L mm	L1 mm	L2 mm	G	SW mm	X mm	weight kg	
			polypropylene without magnet	polypropylene with magnet	stainless steel without/with magnet								
H ₂ O	Rp 1	GKL-025GTW1000	100 - 1000	100 - 1000	100 - 1000	l/h	402	369	350	1 1/2	55	17	0.75
	Rp 1 1/4	GKL-032GTW1000	100 - 1000	100 - 1000	-	l/h	410	370	350	2	66	19	1.25
		GKL-032GTW1600	150 - 1600	150 - 1600	150 - 1600	l/h							
	Rp 1 1/2	GKL-040GTW1600	200 - 1600	200 - 1600	-	l/h	414	372	350	2 1/4	74	20	1.75
		GKL-040GTW2500	300 - 2500	300 - 2500	200 - 2500	l/h							
		GKL-040GTW3300	300 - 3300	300 - 3300	-	l/h							
Rp 2	GKL-050GTW0025	0.2 - 2.5	0.2 - 2.5	-	m ³ /h	420	374	350	2 3/4	90	24	2.40	
	GKL-050GTW0040	0.4 - 4	0.4 - 4	0.4 - 4	m ³ /h								
	GKL-050GTW0064	0.6 - 6.4	0.6 - 6.4	0.6 - 6.4	m ³ /h								
air	Rp 1	GKL-025GTL0100	1 - 10	1.25 - 10	-	Nm ³ /h	402	369	350	1 1/2	55	17	0.75
		GKL-025GTL0160	1.5 - 16	1.5 - 16	-	Nm ³ /h							
		GKL-025GTL0250	-	3 - 25	-	Nm ³ /h							
	Rp 1 1/4	GKL-032GTL0160	1.5 - 16	-	-	Nm ³ /h	410	370	350	2	66	19	1.25
		GKL-032GTL0250	2 - 25	-	-	Nm ³ /h							
		GKL-032GTL0400	4 - 40	4 - 40	-	Nm ³ /h							
		GKL-032GTL0640	-	6 - 64	-	Nm ³ /h							
	Rp 1 1/2	GKL-040GTL0250	2 - 25	-	-	Nm ³ /h	414	372	350	2 1/4	74	20	1.75
		GKL-040GTL0400	4 - 40	-	-	Nm ³ /h							
		GKL-040GTL0500	5 - 50	-	-	Nm ³ /h							
		GKL-040GTL0600	-	5 - 60	-	Nm ³ /h							
	Rp 2	GKL-050GTL0400	4 - 40	-	-	Nm ³ /h	420	374	350	2 3/4	90	24	2.4
GKL-050GTL0640		6 - 64	-	-	Nm ³ /h								
GKL-050GTL1000		10 - 100	-	-	Nm ³ /h								
GKL-050GTL1500		-	15 - 160	-	Nm ³ /h								
GKL-050GTL2500		-	20 - 250	-	Nm ³ /h								

GKL-...G

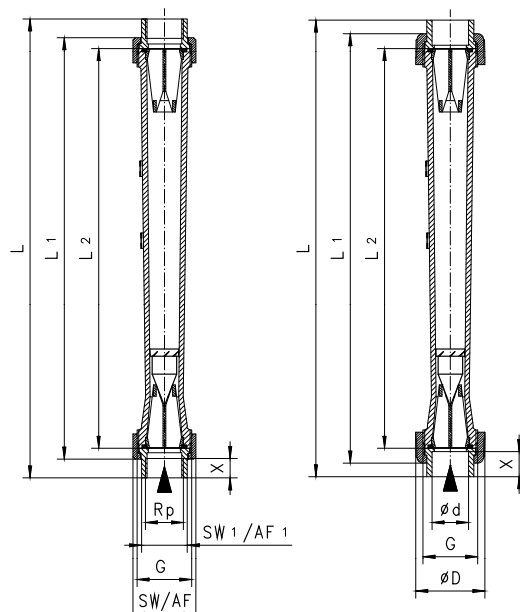
GKL-...M

pressure PN15
 tolerance ±1% of full scale
 and ±3% of measured value
 media temperature max. 60°C
 pressure loss max. 20mbar

Measurements on request

tube	temperature °C										
	-20	0	20	30	40	50	60	70	80	90	100
trogamid	15	15	15	13,5	12	10,7	9,5	-	-	-	-
polysulfon	15	15	15	14	13	12	11	9,7	8,5	7,7	6,0

bar



MATERIALS

tube trogamid
 float polypropylene
 connector cast iron
 seal viton

ELECTRICAL DATA

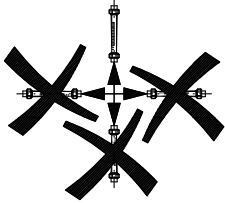
● **BASIC Standard**

No electrical components.

⊕ **PLUS accessories**

Switch units or continuous signal converters
see description next page

MOUNTING POSITION



METERING SUBSTANCES



water



gas/air

NOMENCLATURE

For combinations see table "technical data".

GKL-	025	G	T	W1000	PO	basic type specification	
	025				●		nominal diameter DN 25 - Rp1
	032				●		nominal diameter DN 32 - Rp1 1/4
	040				●		nominal diameter DN 40 - Rp1 1/2
	050				●		nominal diameter DN 50 - Rp2
		G			●		female thread Rp cast iron, PN15
		M			○		threaded connector with glue fittings PVC, PN10
			T		●		measuring tube trogamid
			P		○		measuring tube polysulfon (max. temperature 100°C)
				W1000	●	Messbereich	100 - 1000 l/h
				W1600	●		150 - 1600 l/h
				W2500	○		200 - 1600 l/h
				W3300	●		200 - 2500 l/h
				W0025	●		300 - 2500 l/h
				W0040	●		300 - 3300 l/h
				W0064	●		0,2 - 2,5 m³/h
				L0100	○		0,4 - 4 m³/h
				L0160	●		0,6 - 6,4 m³/h
				L0250	●		1 - 10 Nm³/h
				L0400	●	1,25- 10 Nm³/h	
				L0500	●	Luft	1,5 - 16 Nm³/h
				L0600	○		2 - 25 Nm³/h
				L0640	●		3 - 25 Nm³/h
				L1000	●		4 - 40 Nm³/h
				L1500	●		5 - 50 Nm³/h
				L2500	●		5 - 60 Nm³/h
				PO	●		6 - 64 Nm³/h
				PM	○		10 - 100 Nm³/h
				KO	○		15 - 150 Nm³/h
				KM	○		20 - 250 Nm³/h
Programme option BASIC						○	float polypropylene without magnet
Special option VARIO						□	float polypropylene with magnet
Accessories PLUS						⊕	float stainless steel without magnet
							float stainless steel with magnet
							scale in %
							actual metering ranges referring to pressure and temperature special scales
							switch unit
							contin.signal convert.
							Only for float with magnet. Description see next page.

IMPORTANT FOR YOUR ORDER

- With gaseous media indicate pressure (relative or absolute), temperature and metering substance, e.g. air (metering range on request)

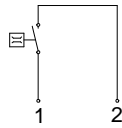
All technical changes reserved

●BASIC Standard ○BASIC Programme option □VARIO Special option ⊕ PLUS Accessories ✗not recommendable

ACCESSORIES

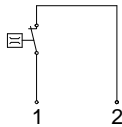
⊕ GKEH-1251

maximum switch unit plastic
 bistable reed switch
 wiring diagram 0.212 n.o.
 250 V AC 0.2 A 10 VA
 plug DIN 43650-B
 protection class IP 65
 additional weight 0.075 kg



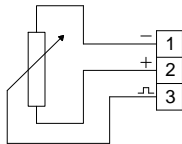
⊕ GKEL-1252

minimal switch unit plastic
 bistable reed switch
 wiring diagram 0.214 n.c.
 250 V AC 0.2 A 10 VA
 plug DIN 43650-B
 protection class IP 65
 additional weight 0.075 kg



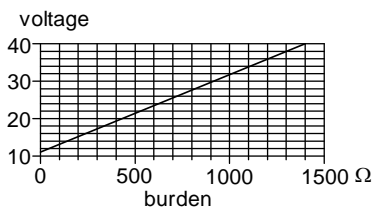
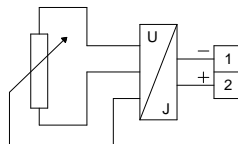
⊕ GKK-1270

continuous signal converter plastic
 reed switch chain
 24 V DC
 exit signal: 0 - 10 k-Ohm
 plug DIN 43650-B
 protection class IP 65
 additional weight 0.07 kg



⊕ GKI-1272

continuous signal converter plastic
 reed switch chain with integrated signal converter
 supply 11-40 V DC depending on ohmic resistance
 ohmic resistance max. 1500 Ω
 exit signal: 4 - 20 mA
 plug DIN 43650-B
 protection class IP 65
 additional weight 0.08 kg



All technical changes reserved

●BASIC Standard ○BASIC Programme option □VARIO Special option ⊕ PLUS Accessories

X not recommendable