Piston flow monitor
STAN-K

- **vertical or horizontal installation**
- **with adjustable limit switch**
- **stainless steel or brass version**
- **compact design**
- **measuring range 0,1 ... 150 l/min**
- **for water, oils and liquids**

STAN-K

STAN-K-VA

APPLICATION

The piston flow monitor STAN-K is used to monitor the volumetric flow of water, oils or other liquids independently from the alignment of the device.

DESCRIPTION

The devices are equipped with a spring-loaded piston located in a cylindrical measuring tube.

When the liquid passes through the STAN-K, the piston changes its position in proportion to the flow rate. The flow rate to be monitored is set using the adjustable limit switch on an external scale. The flow rate to be monitored is set using the adjustable limit switch on an externally applied scale.

Type series:

STAN-K	Brass body
STAN-K-VA	Stainless steel/Inox body (1.4571)

TECHNICAL DATA AND MATERIALS

Medium temperature	-20 ... +90 °C
Scale	l/min
Measuring accuracy	10 % FS (full scale)
Pressure loss	0,02 ... 0,4 bar (G1") 0,02 ... 0,3 bar (G½") 0,02 ... 0,2 bar (G¼")

Brass version:

Max. operating pressure	50 bar
Body	Brass
Connections	Brass
Piston	Brass
Spring	Inox 1.4571 (316 ti)
Magnet	Ferrite

Stainless steel/Inox (1.4571) design:

Max. operating pressure	50 bar
Body	Inox 1.4571 (316 ti)
Connections	Inox 1.4571 (316 ti)
Piston	Inox 1.4571 (316 ti)
Spring	Inox 1.4571 (316 ti)
Magnet	Ferrite

Other versions on request

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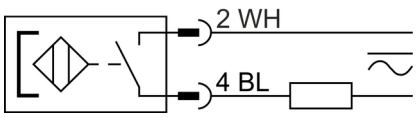
TECHNICAL DATA LIMIT VALUE SWITCH

The flow rate to be monitored is set on an external scale using the adjustable limit switch. To do this, the locking screw is loosened, the switch position is adjusted by moving the limit switch and the locking screw is retightened.

Type	Reed switch
Switching function	Normally open (NO)
Switching capacity	max. 10 W
Switching current	max. 0,5 A
Switching voltage	100 V DC
Dielectric strength	200 V DC
Contact resistance	150 mΩ
Temperature range	-20 ... +90 °C
Protection class	IP 65
Connection	Plug-in connector M12x1, 4-pin
Material	PBT (Polybutylene terephthalate,) black

Anschlussbild

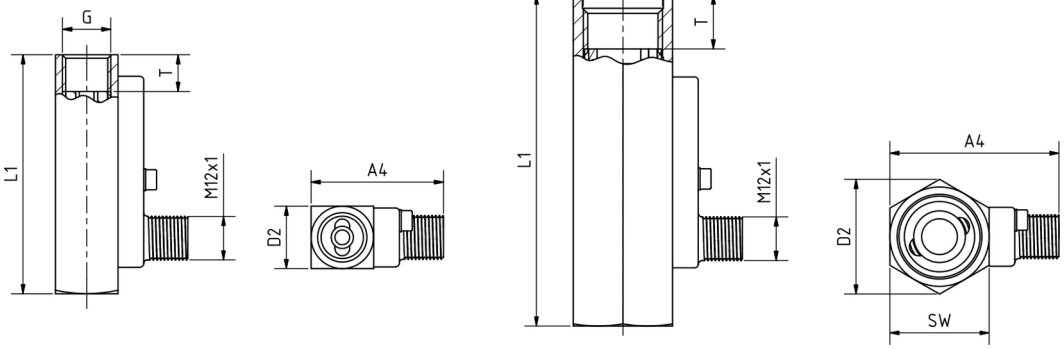


PART NUMBERS AND MEASURING RANGES

Brass		Stailess Steel		Measuring range	Connection
Art. No.	**Type**	**Art. No.**	**Type**	**H2O [l/min]**	
726 100	STAN-K-4-05	726 200	STAN-K-VA-4-05	0,1 ... 0,5	G¼"
726 102	STAN-K-4-1	726 202	STAN-K-VA-4-1	0,2 ... 1	G¼"
726 104	STAN-K-4-2	726 204	STAN-K-VA-4-2	0,5 ... 2	G¼"
726 106	STAN-K-4-3,5	726 206	STAN-K-VA-4-3,5	1 ... 3,5	G¼"
726 120	STAN-K-2-1	726 220	STAN-K-VA-2-1	0,2 ... 1	G½"
726 122	STAN-K-2-1,6	726 222	STAN-K-VA-2-1,6	0,4 ...1,6	G½"
726 124	STAN-K-2-5	726 224	STAN-K-VA-2-5	1,5 ... 5	G½"
726 126	STAN-K-2-10	726 226	STAN-K-VA-2-10	3 ... 10	G½"
726 128	STAN-K-2-20	726 228	STAN-K-VA-2-20	8 ... 20	G½"
726 130	STAN-K-1-45	726 230	STAN-K-VA-1-45	15 ... 45	G1"
726 132	STAN-K-1-90	726 232	STAN-K-VA-1-90	30 ... 90	G1"
726 134	STAN-K-1-150	726 234	STAN-K-VA-1-150	60 ... 150	G1"

DIMENSIONS

Connection	Dimensions					Weight [g]	
	SW	**L1**	**D2**	**T**	**A4**	**Brass**	**Stainless Steel**
G¼"	17/18	65	17/18	10	36/37	131	125
G½"	31	90	27	15	46	303	290
G1"	47	130	41	18,5	60	967	919



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