

Piston flow indicator STAN-P



STAN-P-K



STAN-P-K-VA

- vertical or horizontal installation
- instantaneous flow rate reading
- with adjustable contact
- stainless steel or brass version
- operating pressure up to 50 bar
- measuring range: 0.2 ...150 l/min

APPLICATION

STAN-P piston flow meters are used to measure and control the flow of water, oils, or other liquids. Their operation is independent of their mounting position.

DESCRIPTION

The devices are equipped with a spring-loaded piston, which is located inside a cylindrical measuring tube and features a defined orifice. As the medium flows through the STAN-P, it pushes the piston against the return force of the spring, making the piston's position directly dependent on the volumetric flow rate.

A magnet integrated into the piston transmits the movement contactlessly to a mechanical indicator mounted externally on the housing, enabling immediate reading of the flow rate from the scale.

A bistable reed switch (normally open), mounted externally on the housing, closes when the magnetized piston passes by. The flow rate to be monitored (switch point) can be continuously adjusted by sliding this switch along an external scale.

The actual flow rate may exceed the set measuring range without damaging the device, but this will increase the pressure loss.

These devices must only be used with fluids that are free of particles and away from any magnetic influence.

TECHNICAL FEATURES

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

STAN-P-K: Brass version

Max. operating pressure	50 bar
Display	Stainless steel 1.4301 (304) and Float glass
Body, connections, piston	Brass
Spring	Inox 1.4571 (316Ti)
Magnet	Ferrite

STAN-P-K-VA: Stainless steel/Inox 1.4571 version

Max. operating pressure	50 bar
Indicator	Stainless steel 1.4301 (304) and Float glass
Body, connections, piston	Inox 1.4571 (316Ti)
Spring	Inox 1.4571 (316Ti)
Magnet	Ferrite

Other designs available on request

BAMO KIRCHNER

Dieselstraße 17 · D-47228 Duisburg

Tel +49 2065 9609-0 Web www.bamo-kirchner.de

E-mail info@kt-flow.de

Piston flow indicator
STAN-P

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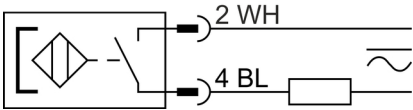
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TECHNICAL DATA LIMIT VALUE SWITCH

The flow rate to be monitored is set using the adjustable limit switch on an externally applied scale. To do this, loosen the fixing screw, adjust the switching position by moving it, and then tighten the fixing screw again.

Type	Reed switch
Switching function	Normally open (NO) (bistable)
Switching capacity	max. 10 W
Switching current	max. 1 A
Switching voltage	100 V DC
Dielectric strength	200 V DC
Contact resistance	150 mΩ
Temperature range	-20 ... +90 °C
Protection class	IP 65
Connnection	Plug-in connector M12x1, 4-pin
Material	PBT (polybutylene terephthalate), black

Connection diagram

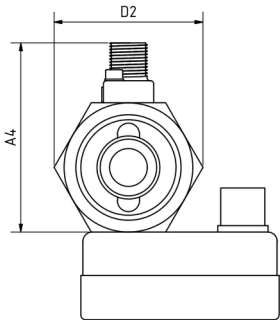
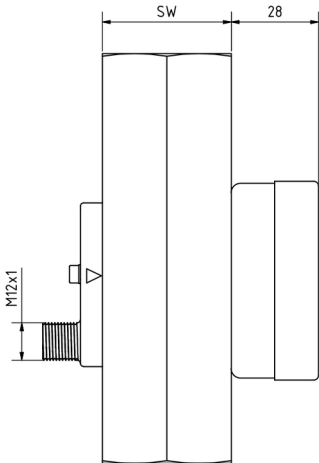
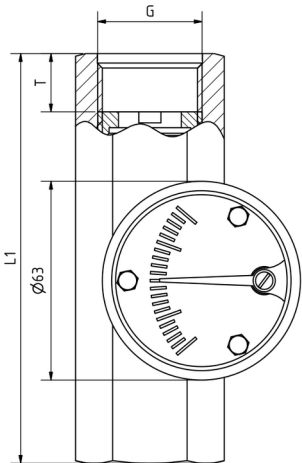


CODE NUMBERS & REFERENCES

Brass		Stainless Steel		Measuring range	Connection
Art. No.	Type	Art. No.	Type	H2O [l/min]	(ISO 228-1)
726 520	STAN-P-K-2-1	726 620	STAN-P-K-VA-2-1	0,2 ... 1	G½"
726 522	STAN-P-K-2-1,6	726 622	STAN-P-K-VA-2-1,6	0,4 ... 1,6	G½"
726 524	STAN-P-K-2-5	726 624	STAN-P-K-VA-2-5	1,5 ... 5	G½"
726 526	STAN-P-K-2-10	726 626	STAN-P-K-VA-2-10	3 ... 10	G½"
726 528	STAN-P-K-2-20	726 628	STAN-P-K-VA-2-20	8 ... 20	G½"
726 530	STAN-P-K-1-45	726 630	STAN-P-K-VA-1-45	15 ... 45	G1"
726 532	STAN-P-K-1-90	726 632	STAN-P-K-VA-1-90	30 ... 90	G1"
726 534	STAN-P-K-1-150	726 634	STAN-P-K-VA-1-150	60 ... 150	G1"

DIMENSIONS

Fitting		Dimensions				Weight [g]	
(ISO 228-1)	SW	L1	D2	T	A4	Brass	Stainless Steel
G ½"	31	90	27	15	46	418	400
G 1"	47	130	41	18,5	60	1046	990



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