GENERAL CHARACTERISTICS

In a full stainless steel enclosure a stainless steel turbine arranged in saphire cups provides flow-proportional revolutions which are detected by a pre-triggered Hall sensor.

- high accuracy
- no magnetic bearings in the wetted chamber
- high pressure duty

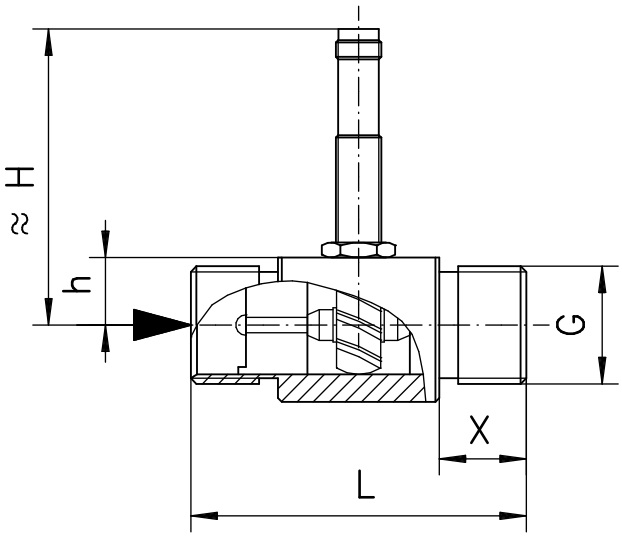
Male thread G1/2A to G2A stainless steel

RT-020AK004P

TECHNICAL DATA

Type	PN	metering range (1..5 mm²/s)		pulses/ litre ±10%	G	H mm	L mm	X mm	weight kg
		l/min	m³/h						
RT-015AK001.	250	1.8 - 18	0.11 - 1.1	2900	G 1/2 A	71	64	19	0.30
RT-020AK002.	250	3.7 - 37	0.22 - 2.2	1700	G 3/4 A	74	64	19	0.40
RT-020AK004.	250	6.7 - 67	0.40 - 4.0	1100	G 3/4 A	74	64	19	0.40
RT-020AK008.	250	13.3 - 133	0.80 - 8.0	400	G 3/4 A	74	83	22	0.40
RT-025AK016.	250	26.7 - 267	1.60 - 16.0	190	G 1 A	78	88	23	0.60
RT-040AK034.	250	56.7 - 567	3.40 - 34.0	60	G 1 1/2 A	84	114	28	1.40
RT-050AK068.	250	113.3 - 1133	6.80 - 68.0	24	G 2 A	89	132	29	1.90

tolerance	±1% of full scale <10 to 100% of metering range inclusive linearitaty and repeatability
media temperature	max. 85℃
tolerated particles	0.5mm
average pressure loss	0.3bar at Qmax.



OPTION

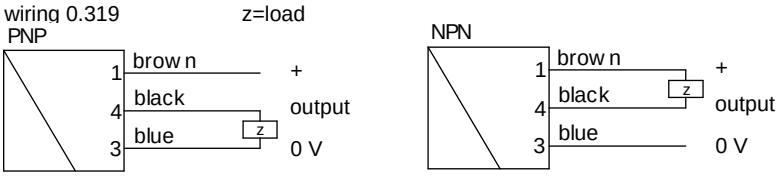
media temperatuer 150℃ compatible to all
Honsberg-electronics sensors or electronics heads

MATERIALS

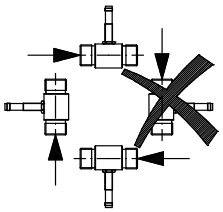
housing	stainless steel
turbine	stainless steel
bearings	wolfram carbit
ball bearings	stainless steel

ELECTRICAL DATA

hall sensor, pre-triggered
voltage range 10-30 V DC
current 20 mA without load
max. load 100 mA
contact for locking plug M12x1 , 4-pole
protection class IP 67

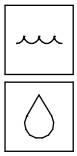


MOUNTING POSITION



10 x diam. as smoothing section on inlet and outlet

METERING SUBSTANCES



water

aggressive liquids

oil up to 5mm²/s

NOMENCLATURE

For combinations see table "technical data".

RT-	015	A	K	001	P			basic type / specification
	015					●	nominal□d	DN 15 - G1/2A
	020					●		DN 20 - G3/4A
	025					●		DN 25 - G1A
	040					●		DN 40 - G1 1/2A
	050					●		DN 50 - G2A
		A				●		male thread
			K			●		stainless steel design
				001		●	metering range (1-5mm²/s)	0.11 - 1.1 m³/h
				002		●		0.22 - 2.2 m³/h
				004		●		0.40 - 4.0 m³/h
				008		●		0.80 - 8.0 m³/h
				016		●		1.60 - 16.0 m³/h
				034		●		3.40 - 34.0 m³/h
				068		●		6.80 - 68.0 m³/h
					P	●		PNP
					N	●		NPN
					E	●		exit by local electronic (e.g. omni-TTH)
Programme option BASIC						❍		flange design temperature max. 120℃ (NPN)
Special option VARIO						❑		DN 80-300 PN16 design for air/gas range from 0.05 m³/h
Accessories PLUS						⊕		EX amplifier EEV1 product information 80.1.EEV1. Counter EEZ904 product information 83.1.EEZ904.

special applications: Switching output, frequency converter, current output and omni/flex processor

COMBINATIONS

omni-RT
local electronic unit,
2xNPN and PNP switch
4(0)..20mA output
graphical LCD display
with flashing LED
program ring

further transformers

Flex	switching and frequency exit, 0..10V or 4..20mA, pnp, npn
ESA1	electronic monitoring unit
ESK2	2 switchpoints - supply 24 V DC
ESK3	1 switchpoint - supply 230 V AC conceived for safety-relevant applications
EFFS	switch output
EFFI	current output 4(0)..20mA
EFFF	frequency output

All technical changes reserved

●BASIC Standard ❍BASIC Programme option ❑VARIO Special option ⊕ PLUS Accessories ✕not recommendable