

GENERAL DESCRIPTION: The FHKU Flow Sensor is a general-purpose device; its working range can be individually defined according to its nozzle size. It is employed for measuring, regulating or metering and guarantees most precise measurement of fluid quantities. In addition, a pulse generator integrated into the Flow Sensor guarantees an almost unrestricted life span.

Special features: Linear inlet and outlet, compact design, great working range, depending on the nozzle diameter.

SHOULD BE CONSIDERED: Material Resistance:

Special regulations which must be in compliance with the Flow Sensor manufacturer applicable in each country, e.g. CE, NSF, FDA and SK. The various media flowing through the Flow Sensor differs from application to application. Clarifications over the entire installation and Flow Sensor resistance to the medium itself (see material) are recommended!



Designation:	FHKU 40 G1/4" Arnite	FHKU 20 G1/4" Ryton	FHKUC 15 Ryton EPDM
Part number:	938-1540/01	938-1820/01	938-1815/AE032
Connections:	2 x G1/4" external thread	2 x G1/4" external thread	2 x G1/4" external thread
Housing:	PBT 35% GF (Arnite)	PPS 40% GF (Ryton)	PPS 40% GF (Ryton)
O-ring:	MVQ (silicon)	MVQ (silicon)	EPDM
Bearing pin:	Inox 1.4305 (18/8)	Inox 1.4305 (18/8)	Inox 1.4571
Magnets:	2 x Ceramic Sr Fe O (in contact with the medium)	2 x Ceramic Sr Fe O (in contact with the medium)	2 x Ceramic Sr Fe O (not in contact with the medium)
Nozzle size:	Φ 4.0mm, Inox 1.4305	Φ 2.0mm, Inox 1.4305	Φ 1.50mm, PTFE
Temperature range:	-10°C to 65°C (14°F to 149°F)	-10°C to 100°C (14°F to 212°F)	-10°C to 100°C (14°F to 212°F)
Flow rate:	0.123 - 8.38 l/min	0.091 - 2.40 l/min	0.042 - 1.25 l/min
Dimensions in mm (LxBxH):	77 x 43 x 47.50 without MSD (67 with MSD)	77 x 43 x 47.50 without MSD (67 with MSD)	77 x 43 x 40.50
Electrical connection:	3 Pin-AMP 2.8mm x 0.8mm	3 Pin-AMP 2.8mm x 0.8mm	PANCON MAS-CON 156 MLSS
Special features:	Approvals: 	Approvals: 	Suitable for measurement of high purity water.



Designation:	FHKUC 70 Hose Ryton	FHKU 100 G1/2" Arnite	FHKU 40 JG 3/8" (9.5mm) Arnite	FHKU 100 G1/2" PNP PVDF
Part number:	938-3870/AE032	938-6500/01	938-7540/01	938-6300/C182
Connections:	2 x Hose connection Φ12mm	2 x G1/2" external thread	2 x John Guest 3/8" (9.5mm)	2 x G1/2" external thread
Housing:	PPS 40% GF (Ryton)	PBT 35% GF (Arnite)	PBT 35% GF (Arnite)	PVDF
O-ring:	EPDM	MVQ (silicon)	MVQ (silicon)	FPM (Viton)
Bearing pin:	Inox 1.4571	Inox 1.4305 (18/8)	Inox 1.4305	PCTFE
Magnets:	2 x Ceramic Sr Fe O (not in contact with the medium)	2 x Ceramic Sr Fe O (in contact with the medium)	2 x Ceramic Sr Fe O (in contact with the medium)	2 x Ceramic Sr Fe O (not in contact with the medium)
Nozzle size:	Φ7.0mm (no other size possible)	Φ10.0mm (no other size possible)	Φ 4.0mm, Inox 1.4305	Φ10.0mm (no other size possible)
Temperature range:	-10°C to 100°C (14°F to 212°F)	-10°C to 65°C (14°F to 149°F)	-10°C to 65°C (14°F to 149°F)	-10°C to 100°C (14°F to 212°F)
Flow rate:	1.40 - 18.00 l/min	3.00 - 30.00 l/min	0.123 - 8.38 l/min	3.00 - 30.00 l/min
Dimensions in mm (LxBxH):	81 x 43 x 40.50	75 x 43 x 47.50 without MSD (67 with MSD)	86 x 43 x 47.50 without MSD (67 with MSD)	75 x 43 x 47.50 without MSD (67 with MSD)
Electrical connection:	PANCON MAS-CON 156 MLSS	3 Pin-AMP 2.8mm x 0.8mm	3 Pin-AMP 2.8mm x 0.8mm	3 Pin-AMP 2.8mm x 0.8mm
Special features:	Suitable for measurement of high purity water.	Approvals: 	Hose diameters from 3/8" (9.5mm) can be directly connected.	Signal connection: Open collector PNP.