# 半導體、化工產業用微流量計(0.04~10.0 L/min)

# FHK

GENERAL DESCRIPTION: The FHK 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.
Specific applications: Inlet and outlet on the same side, 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 appliable 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: | FHK 10 Arnite | FHK 10 PVDF | FHK 20 PVDF Viton |
|---|---|---|---|
| Part number: | 937-1510/01 | 937-1310/C014 | 937-1320/V01 |
| Connections: | 2 x G1/4"internal thread | 2 x G1/4"internal thread | 2 x G1/4"internal thread |
| Housing: | PBT 35% GF (Arnite) | PVDF | PVDF |
| O-ring: | MVQ (silicon) | FPM (Viton) | FPM (Viton) |
| Bearing pin: | Inox 1.4305 (18/8) | PCTFE | Inox 1.4305 (18/8) |
| Magnets: | 2 x Ceramic Sr Fe O (in contact with the medium) | 4 x Ceramic Sr Fe O (not in contact with the medium) | 2 x Ceramic Sr Fe O (in contact with the medium) |
| Nozzle size: | Φ1.0mm, Inox 1.4305 | Φ1.0mm, PTFE | Φ2.0mm, Inox 1.4305 |
| Temperature range: | -10℃ to 65℃ (14℉to 149℉) | -10℃ to 100℃ (14℉to 212℉) | -10℃ to 100℃ (14℉to 212℉) |
| Flow rate: | 0.027 - 0.58 l/min | 0.055 - 0.47 l/min | 0.069 - 2.34 l/min |
| Dimensions in mm (LxBxH): | 54 x 40 x 47.20 without MSD (66.60 with MSD) | 54 x 39.75 x 46.90 without MSD (66.30 with MSD) | 54 x 39.75 x 46.90 without MSD (66.30 with MSD) |
| Electrical connection: | 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: | Approvals: NSF | Employed in the semiconductor (wafer polishing) sector due to the high purity of materials used. | |

| Designation: | FHK 20 PVDF | FHK 33 Ryton EPDM | FHKC 12 Flange Arnite | FHK 10 PEEK |
|---|---|---|---|---|
| Part number: | 937-1320/CE012 | 937-1833/AE012 | 937-5512/03 | 937-1210/P014 |
| Connections: | 2 x G1/4" internal thread | 2 x G1/4"internal thread | Flange | 2 x G1/4"internal thread |
| Housing: | PVDF | PPS 40% GF (Ryton) | PBT 35% GF (Arnite) | PEEK |
| O-ring: | EPDM | EPDM | MVQ (silicon) | FPM (Viton) |
| Bearing pin: | PCTFE | Inox 1.4571 | Inox 1.4305 | PEEK |
| Magnets: | 2 x Ceramis Sr Fe O (not in contact with the medium) | 2 x Ceramic Sr Fe O (not in contact with the medium) | 2 x Ceramic Sr Fe O (in contact with the medium) | 4 x Ceramic Sr Fe O (not in contact with the medium) |
| Nozzle size: | Φ2.0mm, PTFE | Φ3.3mm, PPS 40 % GF (Ryton) | Φ1.2mm, Inox 1.4305 | Φ1.0mm, PEEK |
| Temperature range: | -10℃ to 100℃ (14℉to 212℉) | -10℃ to 100℃ (14℉to 212℉) | -10℃ to 65℃ (14℉to 149℉) | -10℃ to 100℃ (14℉to 212℉) |
| Flow rate: | 0.10 - 2.21 l/min | 1.39 - 5.36 l/min | 0.031 - 0.77 l/min | 0.055 - 0.47 l/min |
| Dimensions in mm (LxBxH): | 54 x 39.75 x 46.90 without MSD (66.30 with MSD) | 54 x 40 x 47.20 without MSD (66.60 with MSD) | 46 x 59 x 40.70 | 54 x 39.75 x 46.90 without MSD (66.30 with MSD) |
| Electrical connection: | 3 Pin-AMP 2.8mm x 0.8mm | 3 Pin-AMP 2.8mm x 0.8mm | PANCON MAS-CON 156 MLSS | 3 Pin-AMP 2.8mm x 0.8mm |
| Special features: | Employed in the semiconductor (wafer polishing) sector due to the high purity of materials used. | | Approvals: NSF | Material: Turbine PFA |