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High Purity Turbine Flowmeters

- **Swiss quality precision manufacturing**
- **All wetted parts made of highly resistant Fluoropolymers**
- **Employed in the semiconductor (wafer polishing) industry due to high purity material requirements.**

	FFG 60 PVDF	FHKU 100 G1/2" PVDF	FHKU G1/4" PVDF	FHK PVDF Chemie	FHKSC PVDF
MODEL:					
PART NUMBER:	934-2360	938-6300/C014	938-13XX/C014	937-13XX/C01X	932-83XX/PX
Housing:	PVDF				
Bearing pin:	PCTFE				PVDF
Nozzle:	PTFE				PVDF
O-ring:	FPM (Viton)				
Turbine:	PVDF, encapsulated 4 Magnets				PFA, encap. 2 Magnets
Flow rate: (Medium: Water / max. Pressure: 3.3 bar)	with PTFE insertion nozzle <u>320-0710</u> : 0.02-0.59L/min <u>320-0720</u> : 0.05-2.34L/min <u>320-0730</u> : 0.11-5.63L/min <u>320-0740</u> : 0.17-9.11L/min <u>none</u> : 0.35-15.75L/min	3-26.69L/min	0.04-0.54L/min 0.05-0.84L/min 0.06-0.93L/min 0.11-2.21L/min 0.11-2.72L/min 0.10-2.84L/min 0.20-9.27L/min 1.78-10.79L/min	0.05-0.47L/min 0.04-0.82L/min 0.7-1.13L/min 0.10-2.21L/min 0.07-2.76L/min 0.25-5.00L/min	0.033-0.4L/min 0.075-0.56L/min 0.75-0.899L/min 0.112-0.9L/min
Measuring accuracy:	+/- 2.0%				
Repeatability:	<+/- 0.25%				
Temperature range:	-10°C to +100°C (14°F to 212°F)				-10°C to +65°C (14°F to 149°F)
Pressure range:	5.5 bar @ 20°C (79 psi @ 68°F)	20 bar@20°C (290 psi @ 68°F)			-1 to 0.3 bar @20°C (-14.5 to 4.35 psi @ 68°F)
Mounting position:	Horizontal recommended				
Orifice size (Ø in mm):	1.0, 2.0, 3.0, 4.0, 6.0	10.0	1.0, 1.2, 1.5, 2.0, 2.5, 3.0, 4.0, 5.6		1.0, 1.2, 1.8, 2.0
Power supply:	4.5–24 VDC				3.8–20 VDC
Consumption:	5 mA to max.13 mA				< 8 mA
Signal connection:	Open collector NPN				
Signal voltage:	0 V GND				
Signal load:	max. 20 mA				
Leakage current:	max. 10 µA				
Connections:	3-pin AMP 2.8 x 0.8 mm				PANCON MAS-CON 156 MLSS
Connector included?	Yes	NO			
Signal:	Square-wave output, 50% ±5% Duty Cycle				
Options:	insertion nozzles for different flow rates	LED, PNP output, 2magnet	SS303 bearing, SS303 orifice, 2magnet, SS316Ti bearing, PNP output, EPDM or Kalrez O-ring		4magnets
Approvals / Standards:	CE			CE NSF	