

Specifications of XF-100 Series

Model	XF-122	XF-132	XF-124	XF-134
Flow Range (g/min) ¹	0.2/0.5/1/2	5/10/20/30	0.2/0.5/1/2	5/10/20/30
Measurement Range	5 to 100% F.S.			
Application Liquid	All liquids except those corrosive to stainless steel (ex, HCl and HF)			
Viscosity	MAX.10cP			
Accuracy ²	0.8% F.S.			
Linearity ²	0.4% F.S.			
Repeatability ²	0.4% F.S.			
Response speed ³	0.1sec(when combined with a piezo valve: Close to set point within 0.8sec)			
Operating Temperature	5 to 50 °C			
Temperature coefficient	±0.1%F.S./ °C (15 °C < environmental temperature < 45 °C)			
Operating Pressure ⁴	0.1~0.3MPa(G) @23±2 °C			
Pressure Resistance	1MPa(G)			
Pressure Drop	MAX 90kPa(D) @23±2 °C			
Flow Rate Signal	Analog : Input,Output 0~5VDC Digital : RS485 Serial communication F-NET Protocol		DeviceNet™ Protocol	
Power Supply	±15V±5% 200mA		DC24V(DC11V-DC25V) 6VA max. 540mA at11V	
Leak Integrity	≤ 5×10 ⁻¹² Pa · m ³ /s(He)			
Wetted Material ⁵	SUS316L, SPRON510 ,Ni			
Standard Fitting	1/4 inch VCR type Male, 1/8 inch VCR type Male			
Interface	D-Subminiature 9 contact pin in connector with M3 screw type Digital interface / RJ45 connector Valve Connector / EGG.00.302.CYM / by LEMO		Device-NET / Shield type micro-connector Digital interface / RJ45 connector Valve Connector / EGG.00.302.CYM / by LEMO	

*1: Full scale flow rate when IPA is used. Please contact us for figures for when real liquid is used.

*2: The accuracy, linearity, and repeatability in the above table are according to our own conditions (SEMI E56-0309 compliant, 23±2°C, calibration liquid used).

*3: The responsiveness in the above table is the time from PID adjustment (Less than 0.8 sec. (Converge to the larger of the ±2% S.P. or ±0.5% F.S. regions in the range of total flow control), 23±2°C, calibration liquid used).

*4: Working pressure at 23±2°C. This may not be applicable outside of the range.

*5: SPRON510 is Ni-Co alloy from SII.