



闭回路空气流量控制器 1000 sL/min

Closed-Loop Air Flow Controller 1000 sL/min

FC1500AKMF1500



产品特点 Features

- ◆ 轻巧易安装
Compact
- ◆ 高精度
High Precision
- ◆ 高灵敏度
High Sensitivity
- ◆ 高分辨率
High Resolution

产业应用 Applications

- ◆ 半导体设备
Semiconductor equipment
- ◆ 冷却机器
Cooling Machines
- ◆ 动态流量控制
Dynamic Flow Rate Control

產品敘述 Product Description

FC1500AKMF1000 系列由流量比例控制阀 FC1500 和 MEMS 气体流量计组成。FC1500 是一款由微步步进马达驱动的高度精度的针阀。调节比可达 400:1，具有高精度、重复性、迟滞性等特性。FC 系列比例阀适用于和空气、水和油，密封圈材质有 Viton 或 FFKM 可供选择，本体材质为铝合金或不锈钢。

MEMS 气体流量计具有响应时间快、精度高...等特点。它与空气兼容并进行校准，具有异常稳定的输出信号和低功耗。该气体流量计与 FC 系列流量比例控制阀的组合提供了高分辨率及大流量控制的出色性能。

我们所有的产品都有 CE、SGS、RoHS 认证和 ISO13485 品质认证。

The FC1500AKMF1000 series consist of a proportional flow control valve FC1500 and a MEMS gas flow meter. FC1500 is a highly refined needle valve driven by a micro step stepper motor. Turndown ratio can reach up to 400: 1, with high accuracy, repeatability, and hysteresis. The FC valve is compatible with air, water, and oil. It has a selection of Viton or FFKM O-ring, and body material can be aluminum or stainless steel.

The MEMS gas flow meter features quick response time and high accuracy. It is compatible and calibrated with air. It has exceptional stable output signal and low power consumption. The combination of flow meter with FC valve provides a outstanding performance on high flow control with high resolution.

All our products have CE, SGS, RoHS certification with ISO13485 quality system.



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产品规格 Specifications

型号 Type	FC1500AKMF
流量范围 Flow Range(SLPM)	0-25 / 0-50 / 0-250 / 0-1000
最大耐压 Max. Pressure	5 bar (72.5 psig)
控制讯号 Input Signal	0-10V / 0-5V / 4-20mA / RS485
监控输出 Monitor Output	1-5V / RS485
工作电源 Supply Power(VDc)	24 VDc(12W)
介质 Medium	洁净压缩空气或搭配 5µm 过滤器 Clean compressed air or with 5 µm filter
精度 Accuracy	±1.5% F.S
重复精度 Repeatability	0.025%
阀分辨率 Valve Resolution	0.5 L/min *入气压力 1bar(14.5psi) inlet pressure 1bar(14.5psi)
量程比 Turndown Ratio	100:1
显示单位 Display	SLPM(Instant Flow) / SL(Accum Flow)
工作温度 Temp.	10~65°C (Fluid)
	-25~85 °C (Ambient)
口径 Port	G3/8"
底座材质 Manifold Material	铝合金 Aluminum
接液材质 Wetted Materials	铝合金、氟橡胶 Aluminum, Viton
电器连接 Electrical Connection	EDZ1550/4
输出流量标准 Calibration	Air, 20°C, 101.325kPa



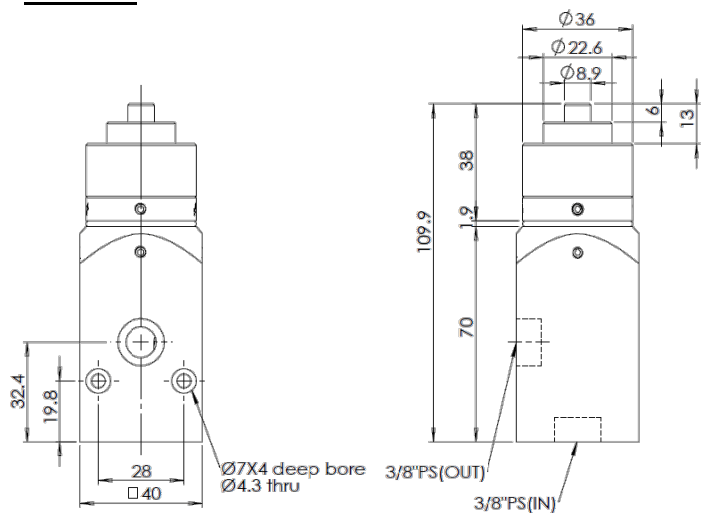
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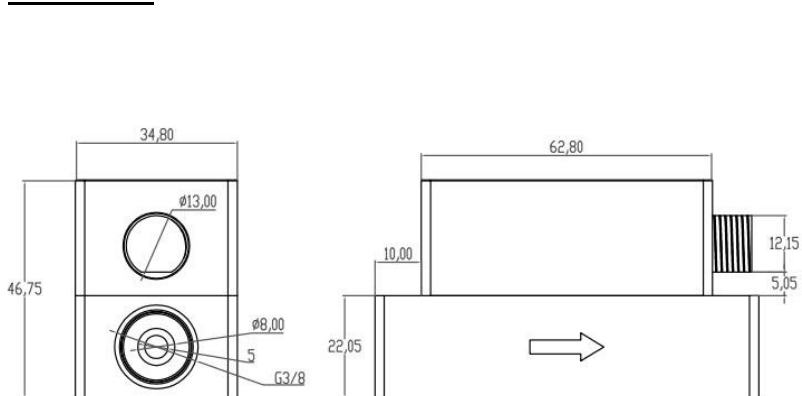
FC1500AKMF1500

外观尺寸 Overall Dimension

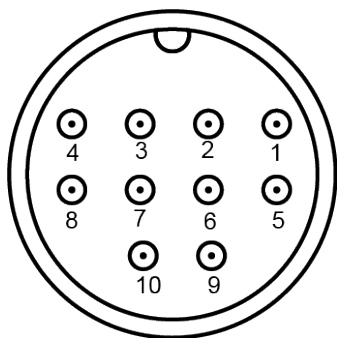
FC1500



KMF1500



接线方式 Wiring



编号 No.	颜色 Color	功能 Function	
1	红色 Red	电源(+)	24V DC Power (+)
2	黑色 Black	电源(-)	24V DC Power (-)
		类比讯号(-)	Command(-)
3	蓝色 Blue		RS485(+)
4	绿色 Green		RS485(-)
5	黄色 Yellow	监控输出	Output monitor 1-5V out
7	白 White	类比讯号(+)	Command(+) 0-5V Command(+) 0-10V
8	灰 Gray	类比讯号(+)	Command(+) 4-20mA