

层流式流量计 BFU60系列

Laminar Flow Meter BFU60 Series

概述 Outlines

用于气体（干燥空气、氮气、燃气）流量的检测及控制，响应速度极高，对于快速的流量变化也可正常检测。

This flow meter is suitable for the flow detection and control of varied gas including dry air, nitrogen and fuel gas, and also suitable for the detection of quick changed with quick response.

特征 Features

- 显示与测试部分分离，维护简单。
- 安装不需要专门准备平直管路。
- 自动压力、温度修正。
- The separation of display part and test part ensures the simple maintenance.
- Special straight pipe is not necessary for installation.
- Automatic pressure & temperature correction.



规格 Specification

测量介质 Liquid	干燥空气、氮气、燃气 Dry air, Nitrogen, Fuel gas	
精度 Accuracy	瞬时流量 Instantaneous Flow Rate	±2%F.S. (在层流管满量程的20%~80%时) (within 20%~80% F.S of laminar tube)
	累积流量 Accumulative Flow Rate	±2%F.S. (在层流管满量程的20%~80%时) (within 20%~80% F.S of laminar tube)
	压力 Pressure	±1%F.S.
	温度 Temperature	±2℃ (0~40℃范围内) (Range:0~40℃)
压力范围 Pressure Range	0~-50kPa、0~35kPa或0~100kPa	
显示 Display	数码管显示，瞬时流量4位，累积流量6位 Digital pipe display. Four digits display of instantaneous flow and six digits of accumulated flow	
电源电压 Power Source	AC 90~264V, 50/60Hz	
功耗 power Consumption	≤200mW	
绝缘电阻 Insulation Resistance	≥20MΩ	
继电器节点容量 Relay Node Capacity	DC24V, 1A	
使用环境 Operating Environment	0℃~40℃ ≤85% 无结露 0℃~40℃ ≤85% Without precipitation	
气体洁净度 Air Cleanliness Class	杂质颗粒≤5 μm Impurity particles ≤5 μm	
外观尺寸 (单位: mm) Dimension (Unit: mm)	W96×H96×D172 (不含凸起物) (Embossment exclusive)	
重量 Weight	约1kg (表头) Approx. 1kg (Gauge head)	

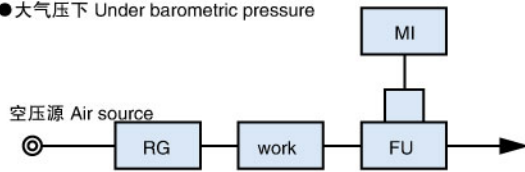
层流管规格 Laminar Tube Specification

型号 Model	FLF	FLF-110
精度 Accuracy	±1%F.S.	±1%F.S.
压力范围 Pressure Range	-50~200kPa	-70~300kPa

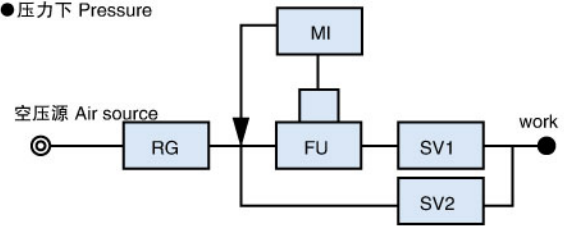
层流式流量计(Laminar Flow Meter)BFU60

基本回路构成 Basic Circulation

●大气压下 Under barometric pressure



●压力下 Pressure



MI: 显示表
FU: 层流管部件
SV1: 加压排气用电磁阀
SV2: 旁路充气阀
RG: 测试压用调压阀

MI: Indicating gauge
FU: Flow Laminar Parts
SV1: Valve for Charge and Exhaust
SV2: Valve for Charge-bypass
RG: Valve for test pressure

选型规格 Model Selection

选型时请指定型号、规格、压力范围

Please specify model, each specification and pressure range when ordering.

型号 Model

BFU60 — [] [] [] — [X] [X] [X] [X] [X] [X] [X] [X] [X] [X] [X] [X] [X]

层流式流量计 Laminar Flow Meter ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮

基本型号 Basic Model

基本选型 Basic Model Selection

① 压力范围 Pressure Range	L1	0~35kPa	
	L2	0~100kPa	
	V	0~-50kPa	
② 流量范围 Flow Range	5M	0.5~5ml/min	
	10M	1~10ml/min	
	20M	2~20ml/min	
	50M	5~50ml/min	
	100M	10~100ml/min	
	200M	20~200ml/min	
	500M	50~500ml/min	
	1L	0.1~1L/min	
	2L	0.2~2L/min	
	5L	0.5~5L/min	
	10L	1~10L/min	
	20L	2~20L/min	
	50L	5~50L/min	
	100L	10~100L/min	
200L	20~200L/min		
500L	50~500L/min		
③ 结构 Structure	S	分体式 Split Type	

※没有规格序号的选项, 请用“X”标注。
Specify “X” if there is no specification item.

层流式流量计(Laminar Flow Meter)BFU60

选型规格 Model Selection

选型时请指定型号、规格、压力范围

Please specify model, each specification and pressure range when ordering.

型号 Model

FLF-110

层流式流量计 Laminar Flow Meter

①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	⑬	⑭	⑮
		X	X	X	X	X	X	X	X	X	X	X	X	X

基本型号 Basic Model

基本选型 Basic Model Selection

① 流量范围 Flow Range	20CM	2 ~ 20 Nml/min
	50CM	5 ~ 50 Nml/min
	100CM	10 ~ 100 Nml/min
	200CM	20 ~ 200 Nml/min
	500M	50 ~ 500 Nml/min
	1LM	0.1 ~ 1 NL/min
	2LM	0.2 ~ 2 NL/min
	5LM	0.5 ~ 5 NL/min
	10LM	1 ~ 10 NL/min
	20LM	2 ~ 20 NL/min
	50LM	5 ~ 50 NL/min
	100LM	10 ~ 100 NL/min
	200LM	20 ~ 200 NL/min
	500LM	50 ~ 500 NL/min
② 接口 Connection	0	内螺纹 internal thread (Rc)
	1	外螺纹 external thread (R)

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选型规格 Model Selection

选型时请指定型号、规格、压力范围

Please specify model, each specification and pressure range when ordering.

型号 Model

FLF

层流式流量计 Laminar Flow Meter

①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	⑬	⑭	⑮
		X	X	X	X	X	X	X	X	X	X	X	X	X

基本型号 Basic Model

基本选型 Basic Model Selection

① 流量检测范围 Flow range	1ML/M	0 ~ 1mL/min
	2ML/M	0 ~ 2mL/min
	5ML/M	0 ~ 5mL/min
	10ML/M	0 ~ 10mL/min
	20ML/M	0 ~ 20mL/min
	50ML/M	0 ~ 50mL/min
	100ML/M	0 ~ 100mL/min
	200ML/M	0 ~ 200mL/min
	500ML/M	0 ~ 500mL/min
	1L/M	0 ~ 1L/min
	2L/M	0 ~ 2L/min
	5L/M	0 ~ 5L/min
	10L/M	0 ~ 10L/min
	20L/M	0 ~ 20L/min
	50L/M	0 ~ 50L/min
	100L/M	0 ~ 100L/min
	200L/M	0 ~ 200L/min
	500L/M	0 ~ 500L/min

※没有规格序号的选项，请用“X”标注。
Specify “X” if there is no specification item.