



Principle and structure

This Paddle Flow Controller is developed by LAMP engineer on the basis of analyzing and researching the disadvantages of other paddle flow switch in market. It with compact size, excellent performance. Compared with traditional target paddle flow switch, its performance is higher. Adopts plug-in mounting, mechanical type and micro switch.

Features

With very low pressure loss, good repeatability, dirt-resistant performance. The precise setting can be achieved by knob. Hermetic separation of electrical and hydraulic components. Not contain bellows, read switch do not touch with metal parts, so the rust resulted from condensation water can be effectively avoided. Various models can meet different requirement. Integrated micro switch can load heavy current, which can avoid the fault resulted from 3rd need switch. It is the best choice of control air conditioner and industrial flow control for flow protection.

Application

gaseous liquid

It is mainly applicable to industrial automation/mechanical equipment/air compressing industry/refrigeration and air-conditioner/water-cool welding machine/cooling system of laser equipment/vacuum cooling machine/electric stove/ silicon polycrystal ingot furnace. The magnet not contact with flowing water, so can normally work in sewage discharging system.

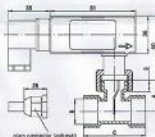
Technical Data

DN	model	adjustable range l/min (water)	A	B	C
			mm	mm	mm
		flow range			
DN10	WFS2204BA	4 (0.75~3.50/3)	26	18.8	26
DN15	WFS2206BA	4 (0.75~4.50/3)	26	17.2	26
DN20	WFS2208BA	3 (0.50~11.50/6)	38	13.1	38
DN25	WFS2209BA	14 (0.10~15.00/6)	38	21	38
DN32	WFS2210BA	20 (1.00~15.00/6)	38	17.1/18	32
DN40	WFS2212BA	21 (0.50~15.00/6)	38	17.1/18	32
DN50	WFS2215BA	35 (0.50~15.00/6)	48	13	32

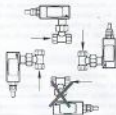
Note: The figure out brackets indicates operating point. The figure between brackets indicates reset point.

Technical parameters

- △Voltage: Max 250V (no status light)
Max 247V(±10% with status light)
- △Max. current: 5A
- △Wiring connection: DIN 43650A plug/ attached cable for optional
- △Output: SPDT micro switch, one or two output and status light for optional
- △Pressure: 25bar, (if special, can be custom-made)
- △Average pressure loss: 0.05bar at Max flow
- △Temperature: -20~90°C
- △Protection class: IP65
- △Material: Housing: brass nickel-plated
Paddle: stainless steel
Bearing: PTFE
Electrical shell: ABS



Mounting position



Metering substances



Note: If special, please indicate with your order.

Nomenclature

WFS22 020 B A 1A 010 /IM

WFS22

010

015

020

025

032

040

050

B

A

1A

2A

010

/IM

Specification

WFS22 series paddle flow Controller

Nominal diameter G3/8 (T-fitting size)

Nominal diameter G1/2 (T-fitting size)

Nominal diameter G3/4 (T-fitting size)

Nominal diameter G1 (T-fitting size)

Nominal diameter G1 1/4 (T-fitting size)

Nominal diameter G1 1/2 (T-fitting size)

Nominal diameter G2 (T-fitting size)

Housing: Brass nickel-plated

Connection: Female thread T-fitting

Wiring connection: DIN 43650, the letter indicate the wiring connection, see the wiring schematic drawing

Wiring connection: plain connector, the letter indicate the mode of connection, see the wiring schematic drawing

Max. setting range, L/min, Please see Technical Data

Cable length: DIN43650 plug, no this item

Important for your order

Please indicate flow direction, metering substance, nominal size and setting range with your order. We can help you to set before the product leaving the factory.

With viscous liquids, please indicate viscosity, temperature and metering substance.

With gaseous media indicate pressure/relative or absolute, temperature and metering substance.

Connection types for optional



female thread T-fitting
brass
stainless steel



male thread T-fitting
brass
stainless steel



welding/soldering/gue socket
brass
stainless steel
PVC

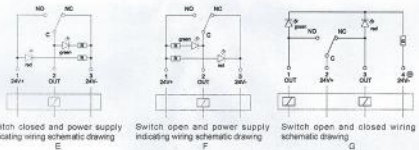
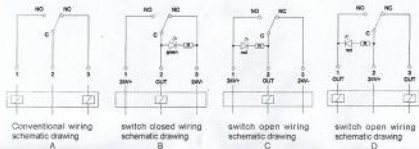


solder fitting
red copper



glue fitting
PVC

Wiring schematic drawing(DIN 43650connector)



Wiring schematic drawing(plain connector)

