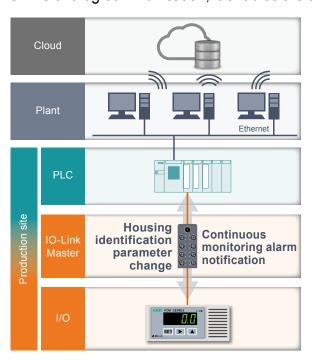
Supports the IoT generation! Flow rate controller equipped with predictive maintenance functions



IO-Link is a digital communication standard for sensors/actuators at factory sites. (IEC 61131-9) Unlike analog communication, it enables the transmission of parameters and event data.



Features of IO-Link



Constant monitoring via digital data is possible.



Parameters can be set and changed via the network, enabling remote equipment operation.



Models, serial numbers, etc., can be confirmed on the network.



The settings can be copied from the master (scanner), making parameter reconfiguration after maintenance obsolete.



Device failure and disconnection can be confirmed.



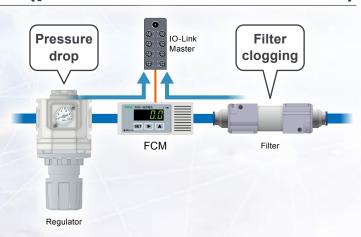
It can also be converted to Ethernet networks and connected, enabling devices to be IoT-ready.

System error detection (predictive maintenance)

[System abnormality warning functions]

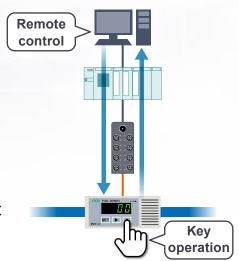
In addition to self-detection functions for detecting the deterioration of sensors and proportional solenoid valves, abnormalities with peripheral systems can also be detected.

Outputs an alarm signal via IO-Link.



IO-Link Enhances Conventional Features

- Various settings are possible with key operations and configuration is possible remotely.
 - · Input method switching
 - Preset memory value input
 - Flow rate control / forced OFF state switching
- 4 preset memory items (conventional type)
 - → Increased to 8 items.
- 4 switch output types can be configured and output simultaneously.
- Directly output accumulated flow value.



Compatible with various fluids

Compatible with various gases. It can be used in various applications.

Lineup of even lower differential pressure models.

Suitable for controlling burner flame or other flammable gases with low supply pressure.

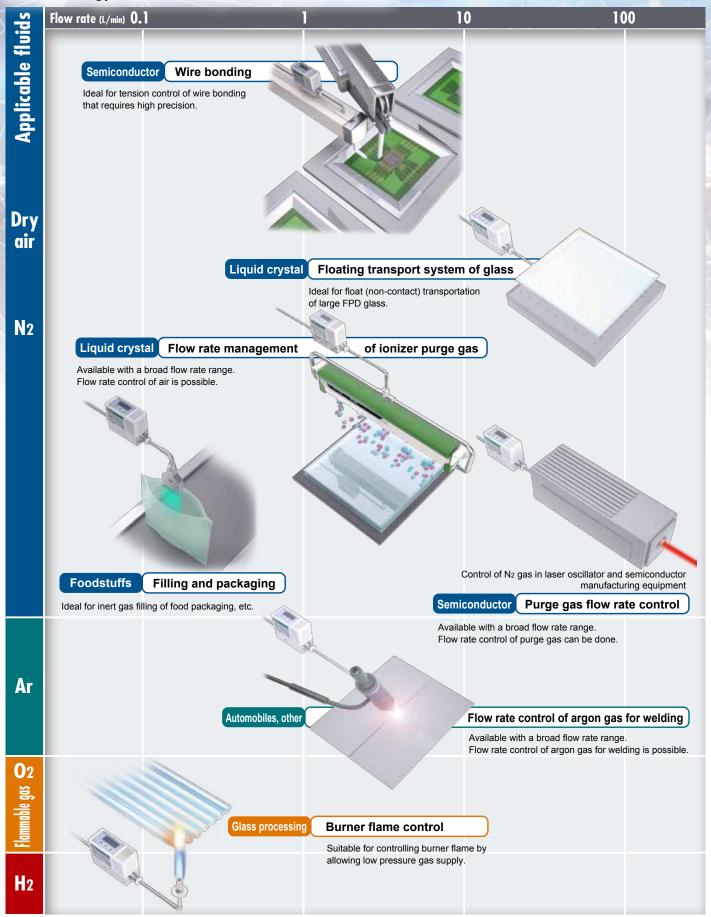
Applicable fluids



Applications

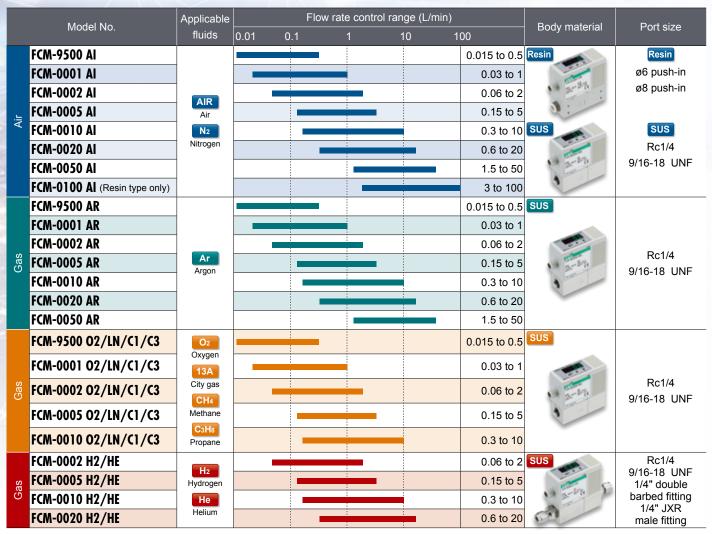
Used in various fields

RAPIFLOW is available for a wide variety of applications in industries such as machinery, automobiles, precision components, and cutting-edge fields such as semiconductors and biotechnology, medical care, foodstuffs, and more.



RAPIFLOW® FCM Series Variation

Applicable fluids/flow rate control range



Communication specifications

Descriptions	Details
Communication protocol	IO-Link
Communication protocol version	V1.1
Transmission bit rate	COM3 (230.4 kbps)
Port type	А
Process data length (input)	10 byte

Descriptions	Details
Process data length (output)	4 byte
Min. cycle time	2 ms
Data storage	1k byte
SIO mode support	No