

Other Sensors and Instrumentation

Applicable fluid | Dry air, N2



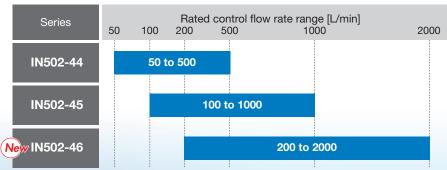


IP65



New A rated control flow rate range of 200 to 2000 L/min has been added.

Automatic flow rate adjustment is possible.

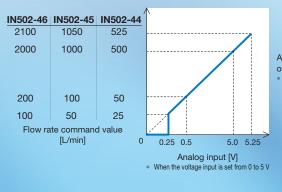


IO-Link

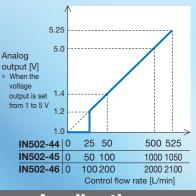
Control Accuracy

±5% F.S.

Input signal - Flow rate command value



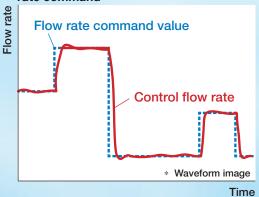
Control flow rate - Output signal



Responsiveness

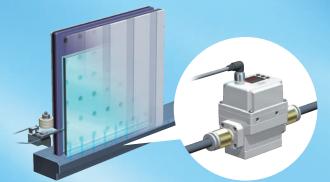
0.5 s or less

Flow rate control that follows the flow rate command



Applications

For laminated glass gas filling control

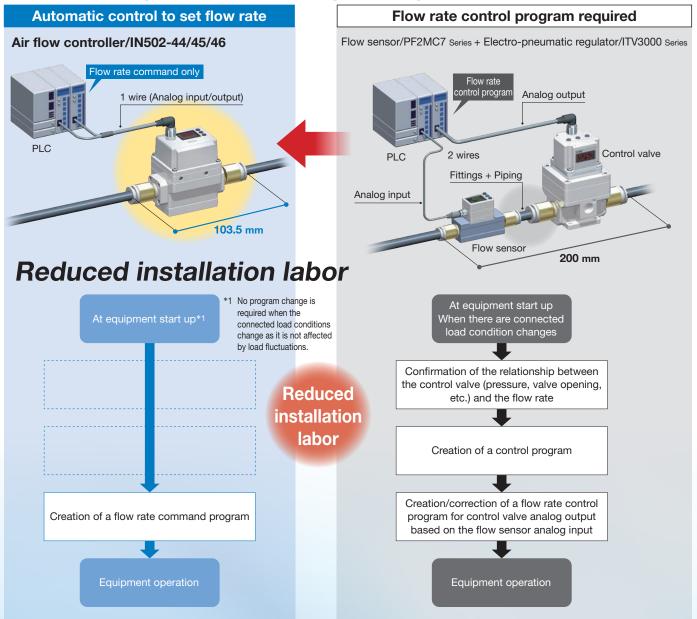


For laminated metal machining unit shielding gas control



IN502-44/45/46 Series

Space saving/Reduced piping, wiring, and installation labor



Reduced effects of load fluctuations

Changes in connected load conditions

- Control target changes
 Pipe length and pipe bore size changes
- Changes in components, etc.

The outlet pressure" and fluid temperature" can be measured simultaneously.

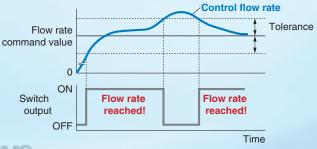
- *1 When using IO-Link communication
- *1 Reference value

Measurement and output have been made possible by adopting flow rate conversion (differential pressure type) using a pressure sensor and flow rate temperature correction using a temperature sensor.



Notifies when the control flow rate command value has been reached

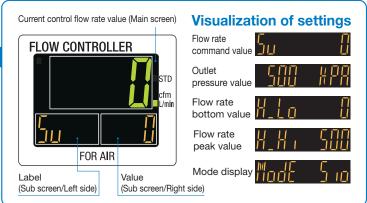
Switch output is performed when the control flow rate falls within the specified allowance with respect to the flow rate command value in the switch output "tolerance mode." (The factory-set tolerance is $\pm 2\%$ F.S.)





3-screen display





Various types of grease can be selected.

Grease compatible with low dew points

Compatible with low dew point air

White vaseline

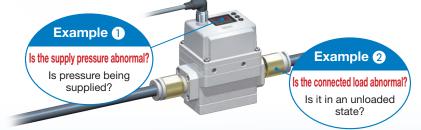
Compatible with paint and other coatings

Grease for food

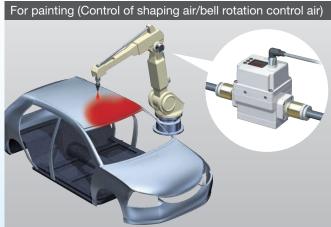
Compatible with NSF H1 grade food grade greases

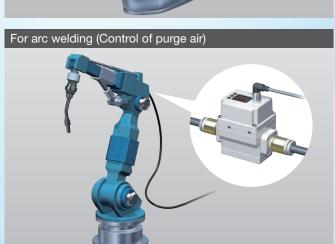
Various control diagnostics

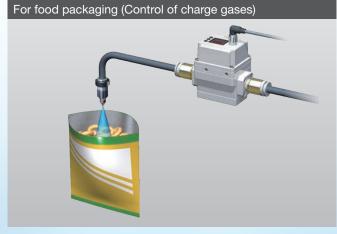
Control flow rate unreachable	The control flow rate does not reach the flow rate command value.
Load error	The load pressure exceeds the specification range due to the connected load.
Control error	Abnormalities in the product (operation, sensor, etc.)



Applications





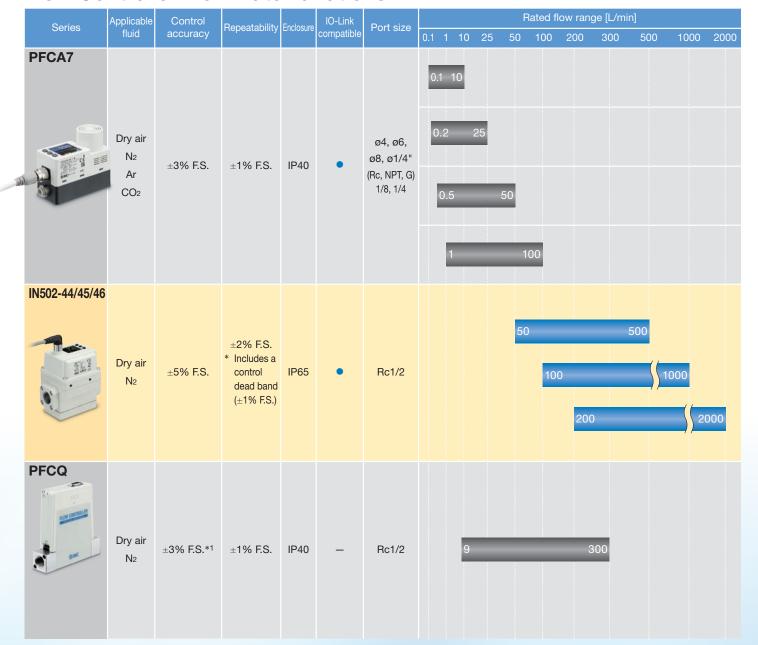






Related Products

Flow Controller Flow Rate Variations



*1 Operating differential pressure: 0.3 MPa, Temperature: 25°C

Flow Sensors



PF2M7 Series

Digital Air Flow Sensor

- Applicable Fluid: Dry Air, N2, AR, CO2
- · Accuracy: ±3% F.S.
- Repeatability: ±1% F.S.
- Rated Flow Range [L/min]: 0 . 0 1 1, 0.02-2, 0.05-5, 0.1-10, 0.3-25, 0.5-50, 1-100, 2-200
- IO-Link Compatible, IP40 Rating



PF2MC Series

Digital Air Flow Sensor

- Applicable Fluid: Dry Air, N2, AR, CO2
- Accuracy: ±3% F.S.
- Repeatability: ±1% F.S.
- Rated Flow Range [L/min]: 5-500, 10-1000, 20-2000
- IP65 Rating

