

## For the automatic adjustment of the flow rate



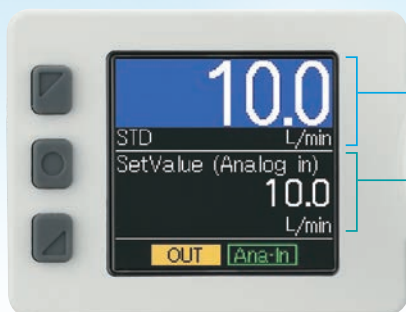
### Flow ratio 100:1

\* Maximum rating control flow rate value: minimum rating control flow rate value.

Series	Port size	Flow range [L/min]									Set-up setting control flow rate minimum unit [L/min]
		0.1	0.2	0.5	1	2	10	25	50	100	
PFCA710	C4, C6, (Rc, NPT, G) 1/8	0.1				10					0.01
PFCA725	C6, C8, N7, (Rc, NPT, G) 1/8	0.2				25					0.1
PFCA750		0.5				50					
PFCA711	C6, C8, N7, (Rc, NPT, G) 1/4	1				100					

## Color display / 2-screen display supported

For the confirmation of the instantaneous flow rate, flow rate command value, and accumulated flow rate at a glance



#### Main screen

Instantaneous flow

#### Sub screen

Flow rate command  
value, accumulated  
flow rate, etc.

#### Size

1.44 inch

#### Resolution/Color

128 x 128/RGB

## IO-Link Compatible

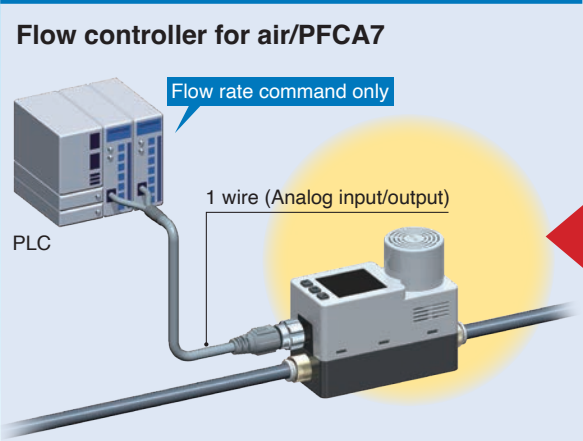
With the process data, the flow rate value and equipment status can be easily grasped, and flow rate control is also possible.



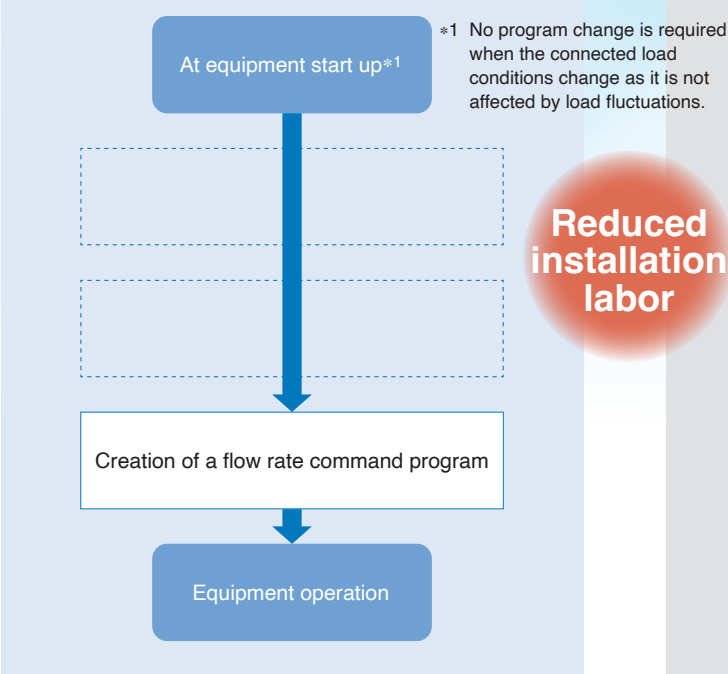
## PFCA7 Series

# Space saving / Reduced piping, wiring, and installation labor

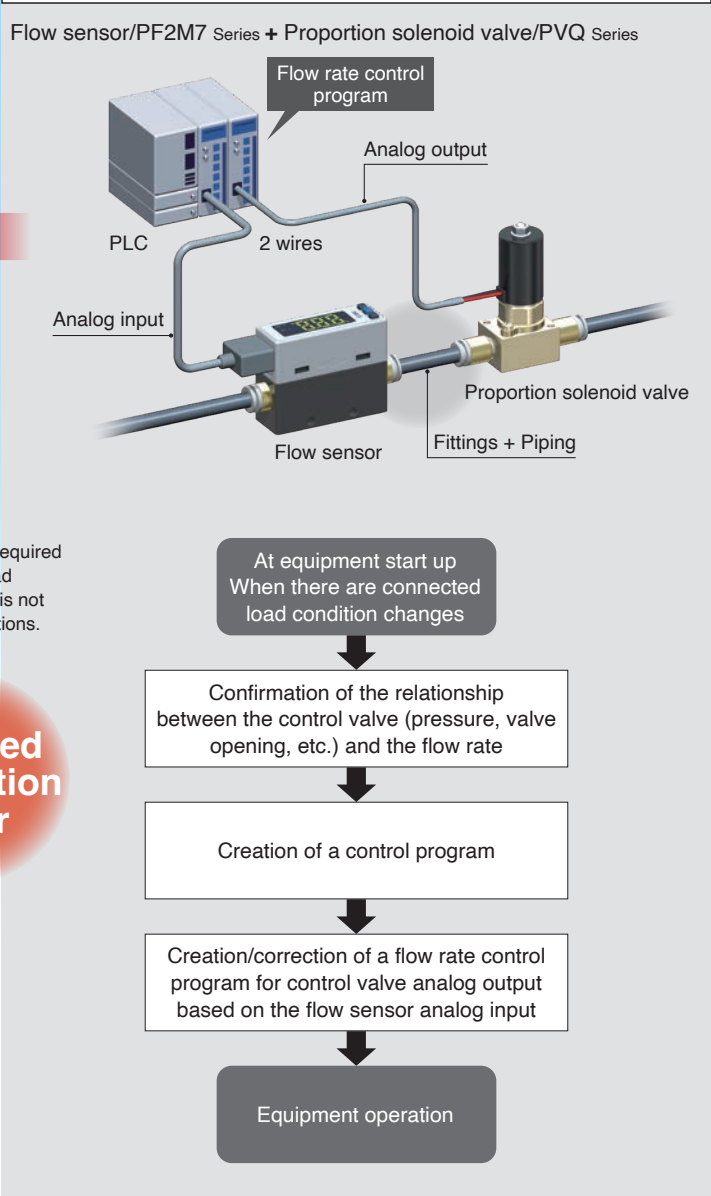
## Automatic control to set flow rate



## Reduced installation labor



## Flow rate control program required



# Color display/2-screen display supported

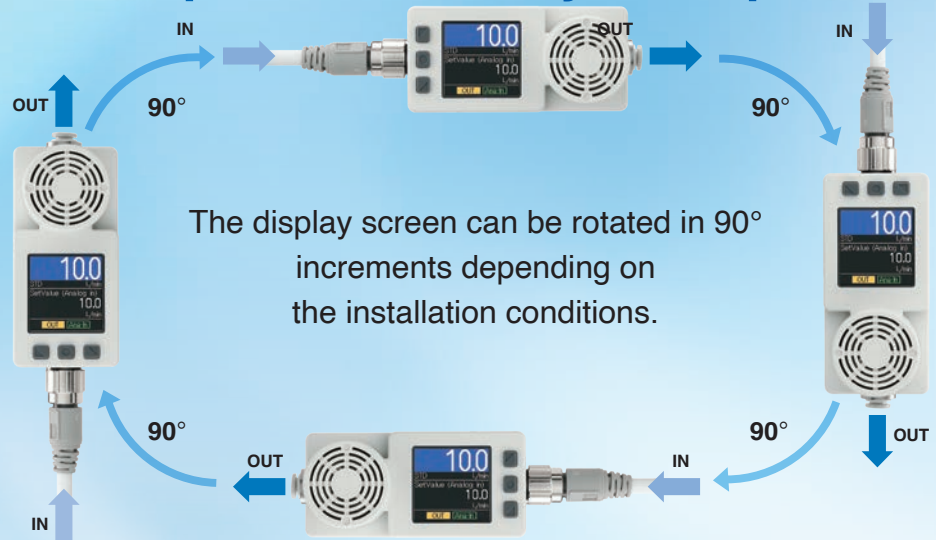
The color display allows for improved visibility. And the 2-screen display allows you to check the status at a glance.

Instantaneous flow Value					
	Blue background with white characters	Red background with white characters	Black background with green character	Black background with red character	Black background with white characters
Main screen					
Sub screen					
	Commanded flow rate	IO-Link status	Accumulated flow rate value	Peak/bottom value	Line name

## Improved visibility and operability

### Functions

- Output operation
- Display colour
- Reference condition
- Selectable analog output function
- Forced output function
- Accumulation value hold function
- Accumulation automatic shut off
- Peak/Bottom value display
- Setting of a security code
- Key-lock function
- Reset to the default settings
- Indication rotation function
- Delay time setting
- Zero-clear
- Selection of the display on the sub screen
- Analog output free range
- Error indication function



### •The fluid can be switched.



### •Control accuracy $\pm 3\%$ F.S.

\* For dry air

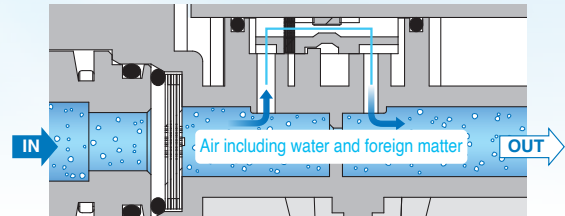
### •Repeatability $\pm 1\%$ F.S.

### •Responsiveness (settling time) 0.5 s or less

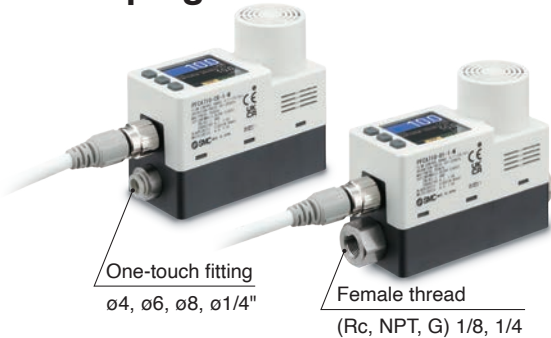
\* For the 10/25 L range

### •Grease-free

### •Improved water and foreign matter resistance due to diversion structure

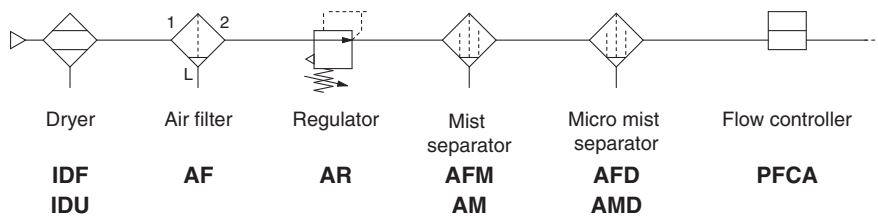


### •Piping variations



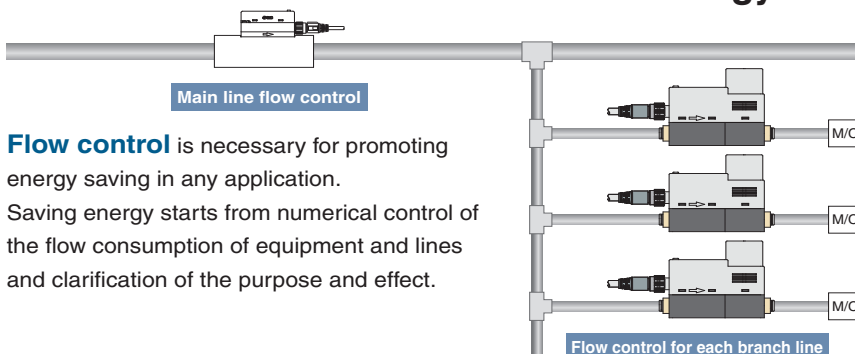
### Recommended Pneumatic Circuit

Compressed air line



\* Recommended air quality class: JIS B 8392-1:2012 [1:6:2], ISO 8573-1:2010 [1:6:2]

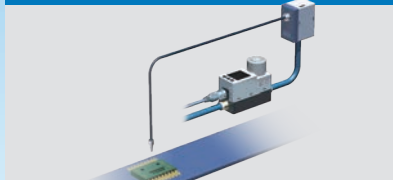
### •Select a flow controller to increase energy savings



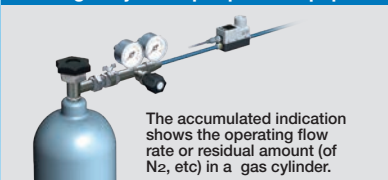
**Flow control** is necessary for promoting energy saving in any application. Saving energy starts from numerical control of the flow consumption of equipment and lines and clarification of the purpose and effect.

## Applications

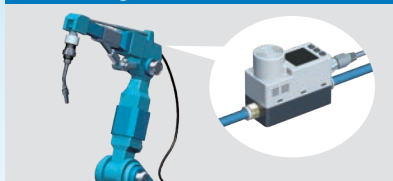
### For the control of metal wire tension



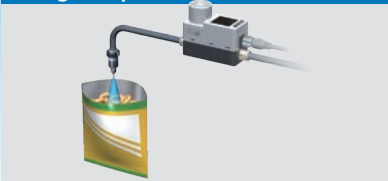
### For N<sub>2</sub> gas cylinder peripheral equipment



### For welding machines



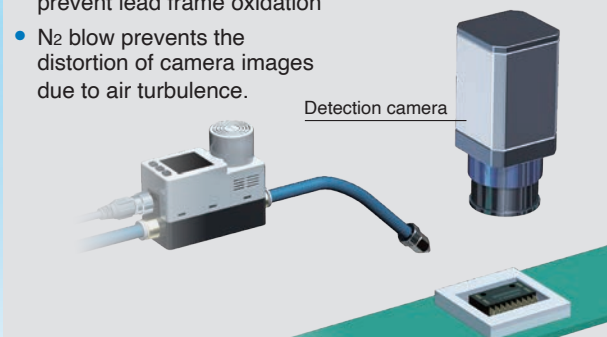
### Nitrogen replenishment








## Flow Controller for Air **PFCA7 Series**

### For air blow

- For flow control of N<sub>2</sub> gas to prevent lead frame oxidation
- N<sub>2</sub> blow prevents the distortion of camera images due to air turbulence.



## Flow Controller Flow Rate Variations

Series	Applicable fluid	Control accuracy	Repeatability	Enclosure	IO-Link Compatible	Port size	Rated flow range [L/min]										
							0.1	1	10	25	50	100	200	300	500	1000	2000
<b>PFCA7</b> 	Dry air N <sub>2</sub> Ar CO <sub>2</sub>	±3% F.S. * For dry air	±1% F.S.	IP40	●	ø4, ø6, ø8, ø1/4" (Rc, NPT, G) 1/8, 1/4	0.1 10										
							0.2 25										
							0.5 50										
							1 100										
<b>IN502-44/45</b>  	Dry air N <sub>2</sub>	±5% F.S.	±2% F.S. * Includes a control dead band (F.S. ±1%)	IP65	●	Rc1/2					50				500		
												100				1000	
<b>PFCQ</b>  	Dry air N <sub>2</sub>	±3% F.S.*1	±1% F.S.	IP40	—	Rc1/2						9				300	

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

