

Flow Controller for Air

Applicable fluid Dry air, N₂



Flow rate control range

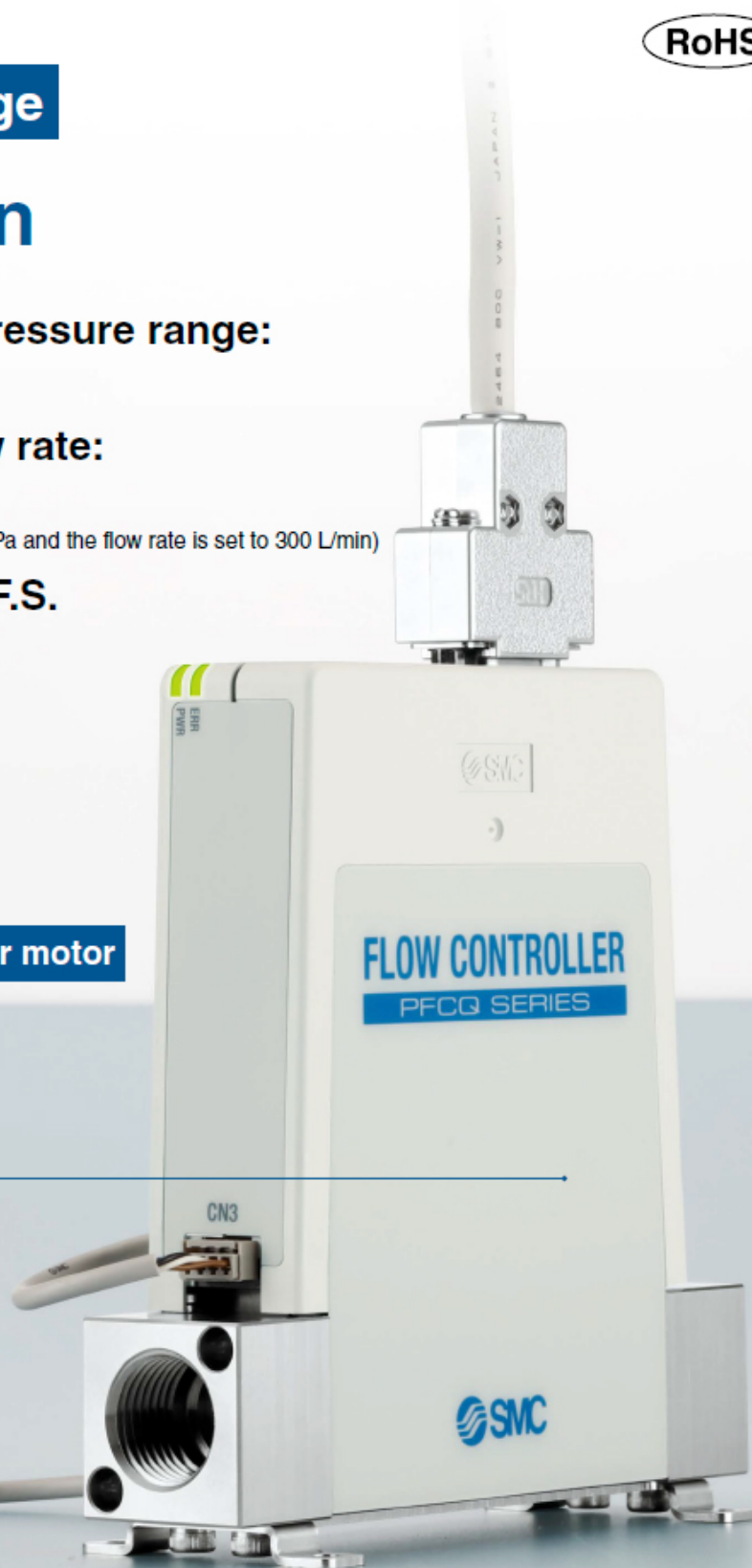
9 to 300 L/min

- Operational differential pressure range:
0.05 to 0.5 MPa
- Time to reach the set flow rate:
0.5 seconds or less
(When the operating differential pressure is 0.3 MPa and the flow rate is set to 300 L/min)
- Flow rate accuracy: $\pm 3\%$ F.S.
- Grease-free

Lightweight
850 g

Built-in linear motor

3-Screen Display
Digital Flow Monitor
PFG310-X105 **p.12**



PFCQ Series

SMC
CAT.ES100-153A

Flow Controller for Air

PFCQ Series



How to Order

PFCQ531-04-A1C-SM

Flow controller for air
(Display separate type)

Rated flow range (Flow range)

31	9 to 300 L/min
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Port size

04	Rc1/2
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Input/Output specifications
Analog input/output type

Symbol	IN1	INA	OUT1	OUTA
A1	Common for NPN and PNP	Analog 1 to 5 V	NPN	Analog 1 to 5 V
A2	Common for NPN and PNP	Analog 4 to 20 mA	NPN	Analog 4 to 20 mA
A3	Common for NPN and PNP	Analog 1 to 5 V	PNP	Analog 1 to 5 V
A4	Common for NPN and PNP	Analog 4 to 20 mA	PNP	Analog 4 to 20 mA

Display **p. 12**

Nil	None
M	With display*1

*1 The following items are included in the shipment.
Digital flow monitor
Lead wire: Lead wire with connector (2 m)
Connector: Sensor connector

Bracket

Nil	None
S	With bracket

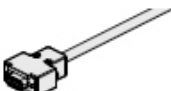
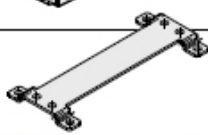

* The bracket is shipped together with the product but does not come assembled.


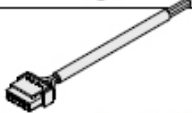

Power supply cable

Nil	None
C	With power supply cable (3 m)

Options/Accessories

p. 11, 12

Description	Part no.	Note
Power supply cable	PFCQ531-H1-3	
Bracket	PFCQ531-B1	 (with 4 x hexagon socket head cap screws)
Protective plug	PFCQP-910S-31	 (Accessory)

Description	Part no.	Note
Digital flow monitor	PFG310-XY-M-Y-X105	 p. 12
Lead wire with connector	ZS-33-D	 (for connection with the digital flow monitor)
Sensor connector	ZS-28-C-1	 (for connection with the digital flow monitor)