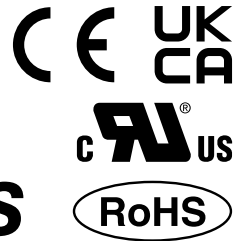


Body Ported Type

3-Color Display Digital Flow Switch

PF3A7□H Series



How to Order



PF3A 7 03 H - 10 - CS - M

Type

7	Integrated display
---	--------------------

Rated flow range

03	30 to 3000 L/min
06	60 to 6000 L/min
12	120 to 12000 L/min

Large flow type

Thread type

Nil	Rc
N	NPT
F*1	G

*1 ISO 1179-1 compliant

Port size

Symbol	Port size	Rated flow range		
		03	06	12
10	1	●	—	—
14	1 1/2	—	●	—
20	2	—	—	●

Calibration certificate*8

Nil	None
A*9	Yes

*8 The certificate is in both English and Japanese.

*9 Made to order

Unit specification

Nil	Units selection function*6
M	SI units only*7

*6 This product is for overseas use only.
(The SI unit type is provided for use in Japan in accordance with the New Measurement Act.)

*7 Fixed units: Instantaneous flow: L/min
Accumulated flow: L

Options

Nil	With lead wire with M12 connector (3 m)*5
N	Without lead wire with M12 connector

*5 Options are shipped together with the product but do not come assembled.

Output specification

Symbol	OUT	FUNC*2	Applicable monitor unit model
CS	NPN	Analog voltage output*3 ⇔ External input*4	PFG300 series
DS	NPN	Analog current output ⇔ External input*4	PFG310 series
ES	PNP	Analog voltage output*3 ⇔ External input*4	PFG300 series
FS	PNP	Analog current output ⇔ External input*4	PFG310 series

*2 Analog output or external input can be selected by pressing the buttons. Analog output is set as default setting.

*3 1 to 5 V or 0 to 10 V can be selected by pressing the button. The default setting is 1 to 5 V.

*4 The accumulated value, peak value, and bottom value can be reset.

Option/Part No.

When only optional parts are required, order with the part number listed below.

Part no.	Option	Note
ZS-37-A	Lead wire with M12 connector	Length: 3 m



For flow switch precautions and specific product precautions, refer to the "Operation Manual" on the SMC website.

Specifications

Model		PF3A703H	PF3A706H	PF3A712H	
Fluid	Applicable fluid*1		Air, Nitrogen, Ar, CO2		
	Fluid temperature		0 to 50°C		
Flow	Detection method		Thermal type		
	Rated flow range		30 to 3000 L/min	60 to 6000 L/min 120 to 12000 L/min	
	Set point range*2	Instantaneous flow	30 to 4500 L/min	60 to 9000 L/min 120 to 18000 L/min	
		Accumulated flow	0 to 999,999,999,990 L	0 to 999,999,999,900 L	
	Smallest settable increment	Instantaneous flow	2 L/min	5 L/min	10 L/min
		Accumulated flow	10 L	100 L	
	Accumulated pulse	Converted value	Select from 50 L/pulse, 100 L/pulse, 500L/pulse, or 1000 L/pulse.		
		Pulse width	Variable from 50 to 100 ms/10 ms increments		
Accumulated value hold function*3		Intervals of 2 or 5 minutes can be selected.			
Pressure	Rated pressure range		0.1 to 1.5 MPa		
	Proof pressure		2.25 MPa		
	Pressure loss		Refer to the “Pressure Loss” graph on page 25.		
	Pressure characteristics*4		±2.5% F.S. (0.1 to 1.0 MPa, 0.5 MPa standard)		
Electrical	Power supply voltage		24 VDC ±10%		
	Current consumption		150 mA or less		
Accuracy*5	Protection		Polarity protection		
	Display accuracy		±3.0% F.S.		
	Analog output accuracy		±3.0% F.S.		
	Repeatability		Switch output/Display: ±1.0% F.S. Analog output: ±1.0% F.S.		
Temperature characteristics		±5.0% F.S. (Ambient temperature of 0 to 50°C, 25°C standard)			
Switch output	Output type		NPN open collector PNP open collector		
	Output mode		Select from Instantaneous output (Hysteresis mode or Window comparator mode), Accumulated output, or Accumulated pulse output.		
	Switch operation		Select from Normal or Reversed output.		
	Max. load current		60 mA		
	Max. applied voltage (NPN only)		28 VDC		
	Internal voltage drop (Residual voltage)		NPN output type: 1 V or less (at load current of 60 mA) PNP output type: 2 V or less (at load current of 60 mA)		
	Response time*6		Select from 1 s, 2 s, or 5 s.		
	Hysteresis*7		Variable from 0		
Analog output*8	Protection		Over current protection		
	Output type		Voltage output: 1 to 5 V (0 to 10 V can be selected*9), Current output: 4 to 20 mA		
	Impedance	Voltage output	Output impedance: Approx. 1 kΩ		
		Current output	Maximum load impedance: Approx. 600 Ω		
Response time*10		Linked to the response time of the switch output			
External input*11	Input type		No-voltage input: 0.4 V or less		
	Input mode		Select from Accumulated value external reset or Peak/Bottom value reset.		
	Input time		30 ms or longer		
Display	Reference condition*12		Select from Standard conditions or Normal conditions.		
	Unit*13	Instantaneous flow	L/min, CFM (ft³/min)		
		Accumulated flow	L, ft³		
	Display range*14	Instantaneous flow	0 to 4500 L/min (Flow under 30 L/min is displayed as “0”)	0 to 9000 L/min (Flow under 60 L/min is displayed as “0”)	0 to 18000 L/min (Flow under 120 L/min is displayed as “0”)
		Accumulated flow*15	0 to 999,999,999,990 L	0 to 999,999,999,900 L	
	Minimum display unit	Instantaneous flow	2 L/min	5 L/min	10 L/min
		Accumulated flow	10 L	100 L	
	Display		LCD, 2-screen display (Main screen/Sub screen) Main screen: Red/Green, Sub screen: Orange Main screen: 5 digits, 7 segment, Sub screen: 6 digits, 7 segment		
Environmental resistance	Indicator LED		OUT indicator: Red LED is ON when output is ON		
	Enclosure		IP65		
	Withstand voltage		1000 VAC for 1 minute between terminals and housing		
	Insulation resistance		50 MΩ (500 VDC measured via megohmmeter) between terminals and housing		
	Operating temperature range		Operating: 0 to 50°C, Stored: –10 to 60°C (No freezing or condensation)		
	Operating humidity range		Operating/Stored: 35 to 85% RH (No condensation)		
Standards		CE/UKCA marking, UL (CSA)			
Piping	Piping specification		Rc1, NPT1, G1	Rc1 1/2, NPT1 1/2, G1 1/2	Rc2, NPT2, G2
Main materials of parts in contact with fluid		Aluminum alloy, PPS, HNBR [Sensor: Pt, Au, Fe, Lead glass (exempted from the RoHS application), Al2O3]			
Length of lead wire with connector		3 m			
Weight	Piping specification	Rc	610 g	1190 g	1680 g
		NPT	610 g	1190 g	1680 g
		G	630 g	1220 g	1720 g
	Lead wire with connector		+90 g		

^{*1} The air quality class is according to JIS B 8392-1:2012 [6:6:4] and ISO8573-1:2010 [6:6:4]. Use an air filter with 5 μm or less filtration rating on the inlet side.
^{*2} Set point range will change according to the setting of the zero cut-off function.
^{*3} When using the accumulated value hold function, use the operating conditions to calculate the product life, and do not exceed it. The maximum update limit of the memory device is 1.5 million times. If the product is operated 24 hours per day, the product life will be as follows:
 · 5 min interval: life is calculated as 5 min x 1.5 million = 7.5 million min = 14.3 years
 · 2 min interval: life is calculated as 2 min x 1.5 million = 3 million min = 5.7 years
 If the accumulated value external reset is repeatedly used, the product life will be shorter than the calculated life.
^{*4} When the pressure range is 1.0 to 1.5 MPa, the pressure characteristics will be ±5% F.S. (standard pressure is 0.5 MPa). Do not release the OUT side piping port of the product to the atmosphere without connecting piping. If the product is used with the piping port released to atmosphere, accuracy may vary.
^{*5} The accuracy value is based on air as a fluid. For other fluids, it is a reference value.
^{*6} The time from when the flow is changed by a step input (when the flow rate changes from 0 to the maximum value of the rated flow range instantaneously) until the switch output turns ON (or OFF) when set to be 90% of the rated flow rate

^{*7} If the flow fluctuates around the set value, the width for setting more than the fluctuating width needs to be set. Otherwise, chattering will occur.
^{*8} Analog output or external input can be selected by pressing the buttons. Refer to the graph for analog output.
^{*9} When selecting 0 to 10 V, refer to the analog output graph for the allowable load current.
^{*10} The time from when the flow is changed by a step input (when the flow rate changes from 0 to the maximum value of the rated flow range instantaneously) until the analog output reaches 90% of the rated flow rate
^{*11} Analog output or external input can be selected by pressing the buttons.
^{*12} The flow rate given in the specifications is the value under standard conditions.
^{*13} Setting is only possible for models with the units selection function.
^{*14} Display range will change according to the setting of the zero cut-off function.
^{*15} The accumulated flow display is the upper 6-digit and lower 6-digit (total of 12 digits) display. The upper 6 digits and the lower 6 digits are displayed alternately, with "x 10⁹" lighting up when the upper digits are displayed.
 * Products with tiny scratches, marks, or display color or brightness variations which do not affect the performance of the product are verified as conforming products.

Flow Range

Model	Flow range					
	0 L/min	1000 L/min	3000 L/min	6000 L/min	12000 L/min	18000 L/min
PF3A7R5H(-L) PF3A8R5H-L	5 L/min 5 L/min 0 L/min	500 L/min 750 L/min 750 L/min				
PF3A701H(-L) PF3A801H-L	10 L/min 10 L/min 0 L/min	1000 L/min 1500 L/min 1500 L/min				
PF3A702H(-L) PF3A802H-L	20 L/min 20 L/min 0 L/min	2000 L/min 3000 L/min 3000 L/min				
PF3A703H(-L)	30 L/min 30 L/min 0 L/min	3000 L/min 4500 L/min 4500 L/min				
PF3A704H(-L) PF3A804H-L	40 L/min 40 L/min 0 L/min	4000 L/min 6000 L/min 6000 L/min				
PF3A706H(-L)	60 L/min 60 L/min 0 L/min	6000 L/min 9000 L/min 9000 L/min				
PF3A708H(-L) PF3A808H-L	80 L/min 80 L/min 0 L/min	8000 L/min 12000 L/min 12000 L/min				
PF3A712H(-L)	120 L/min 120 L/min 0 L/min	12000 L/min 18000 L/min 18000 L/min				

Rated flow range Set point range Display range

Analog Output

Flow/Analog Output

	0 L/min	A*2	B
Voltage output (1 to 5 V)*1	1 V	1.04 V	5 V
Current output*1	4 mA	4.16 mA	20 mA

	0 L/min	C*2	D
Voltage output (0 to 10 V)*1*3	0 V	0.1 V	10 V

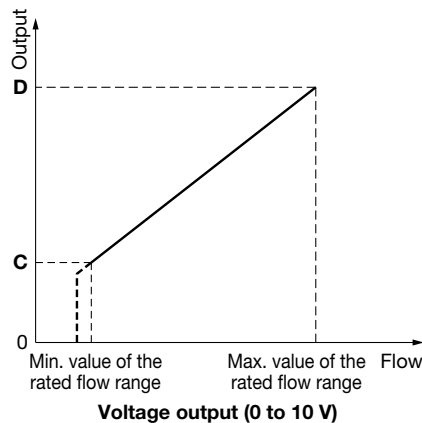
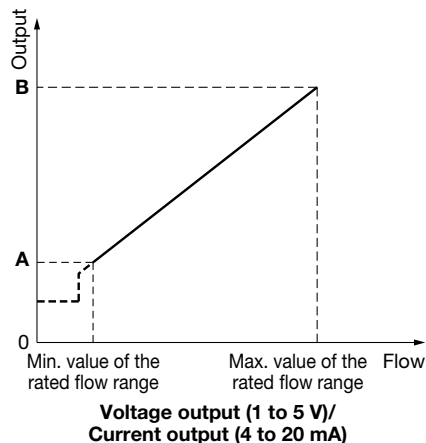
*1 Analog output accuracy is within $\pm 3\%$ F.S.

*2 A and C will change according to the setting of the zero cut-off function.

*3 The analog output current from the connected equipment should be 20 μ A or less when selecting 0 to 10 V. When more than 20 μ A current flows, it is possible that the accuracy is not satisfied below 0.5 V.

*4 The minimum value of the rated flow range will change according to the setting of the zero cut-off function.

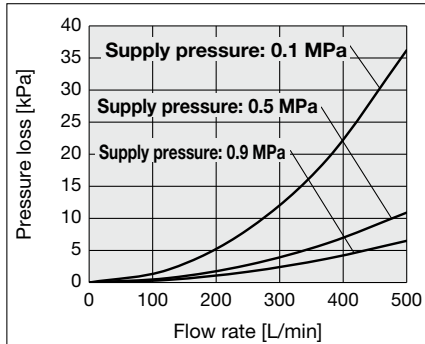
Model	Min. value of the rated flow range*4	Max. value of the rated flow range
PF3A7R5H(-L)	5 L/min	500 L/min
PF3A701H(-L)	10 L/min	1000 L/min
PF3A702H(-L)	20 L/min	2000 L/min
PF3A703H(-L)	30 L/min	3000 L/min
PF3A704H(-L)	40 L/min	4000 L/min
PF3A706H(-L)	60 L/min	6000 L/min
PF3A708H(-L)	80 L/min	8000 L/min
PF3A712H(-L)	120 L/min	12000 L/min



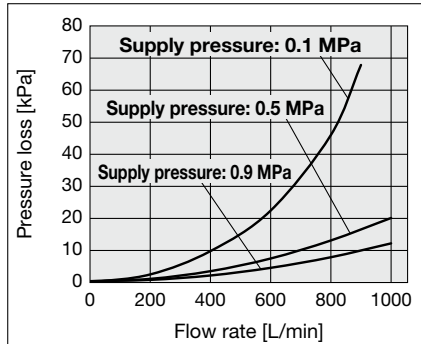
PF3A□H(-L) Series

Pressure Loss (Reference Data)

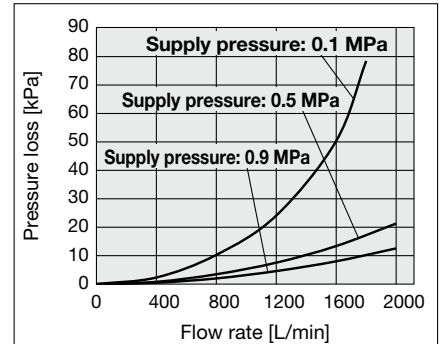
PF3A7R5H(-L) (for 500 L/min)
PF3A8R5H-L



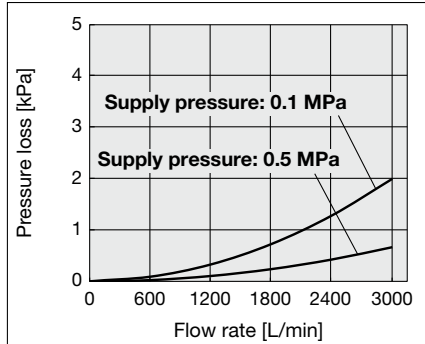
PF3A701H(-L) (for 1000 L/min)
PF3A801H-L



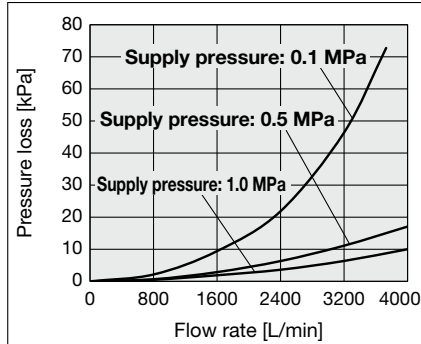
PF3A702H(-L) (for 2000 L/min)
PF3A802H-L



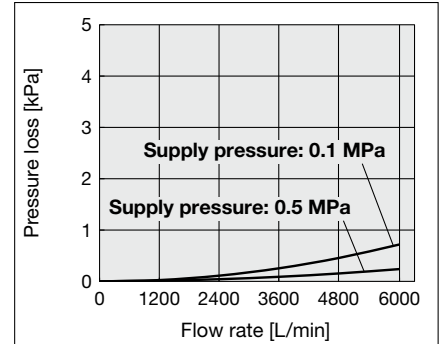
PF3A703H(-L) (for 3000 L/min)



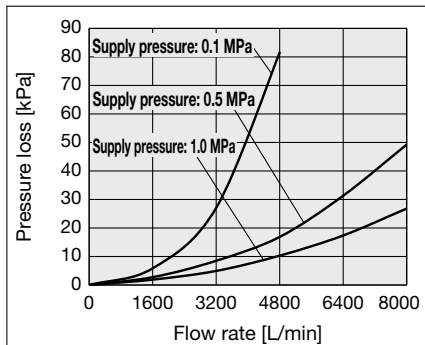
PF3A704H(-L) (for 4000 L/min)
PF3A804H-L



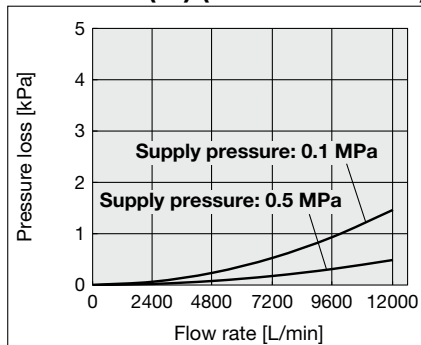
PF3A706H(-L) (for 6000 L/min)

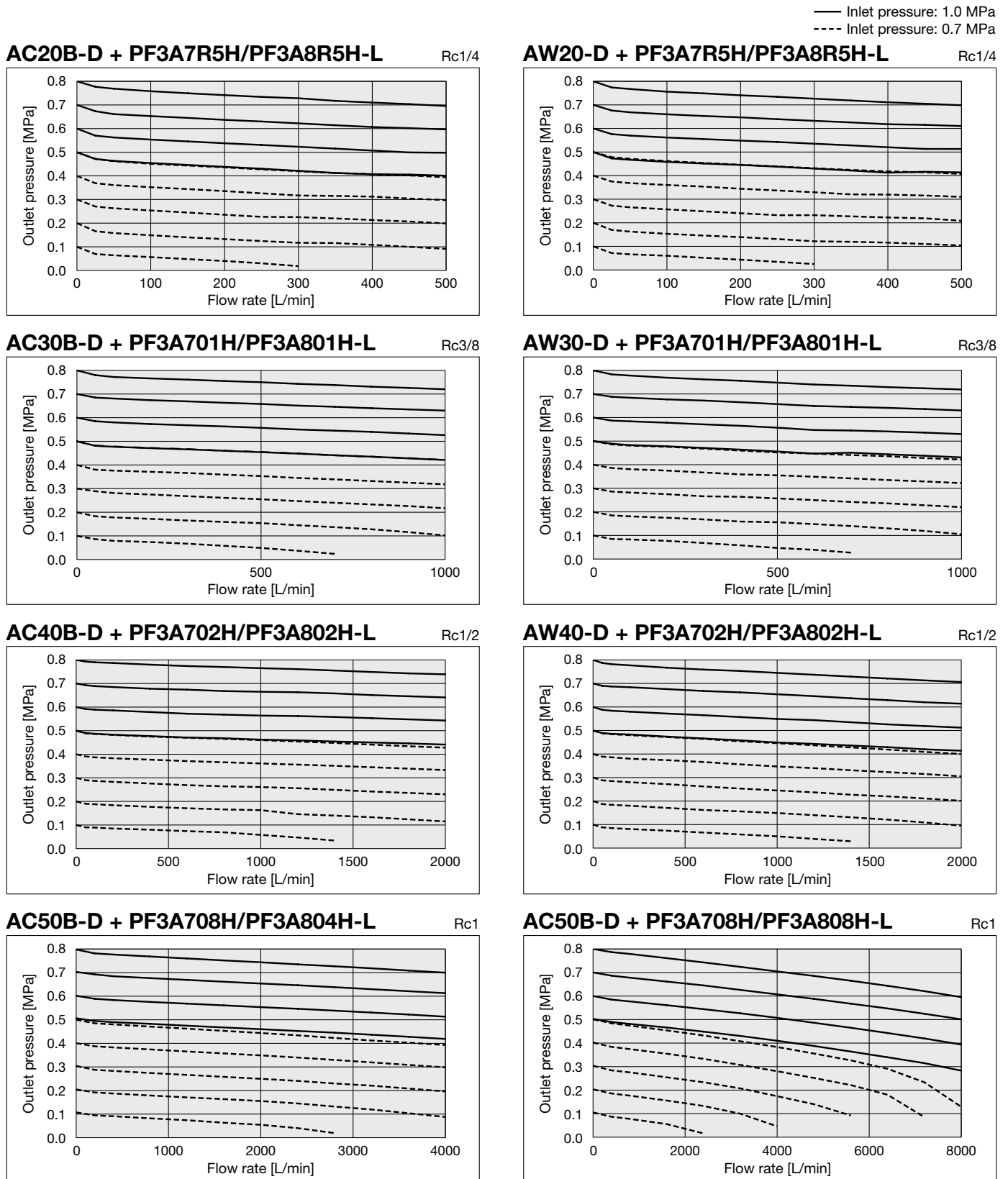


PF3A708H(-L) (for 8000 L/min)
PF3A808H-L



PF3A712H(-L) (for 12000 L/min)

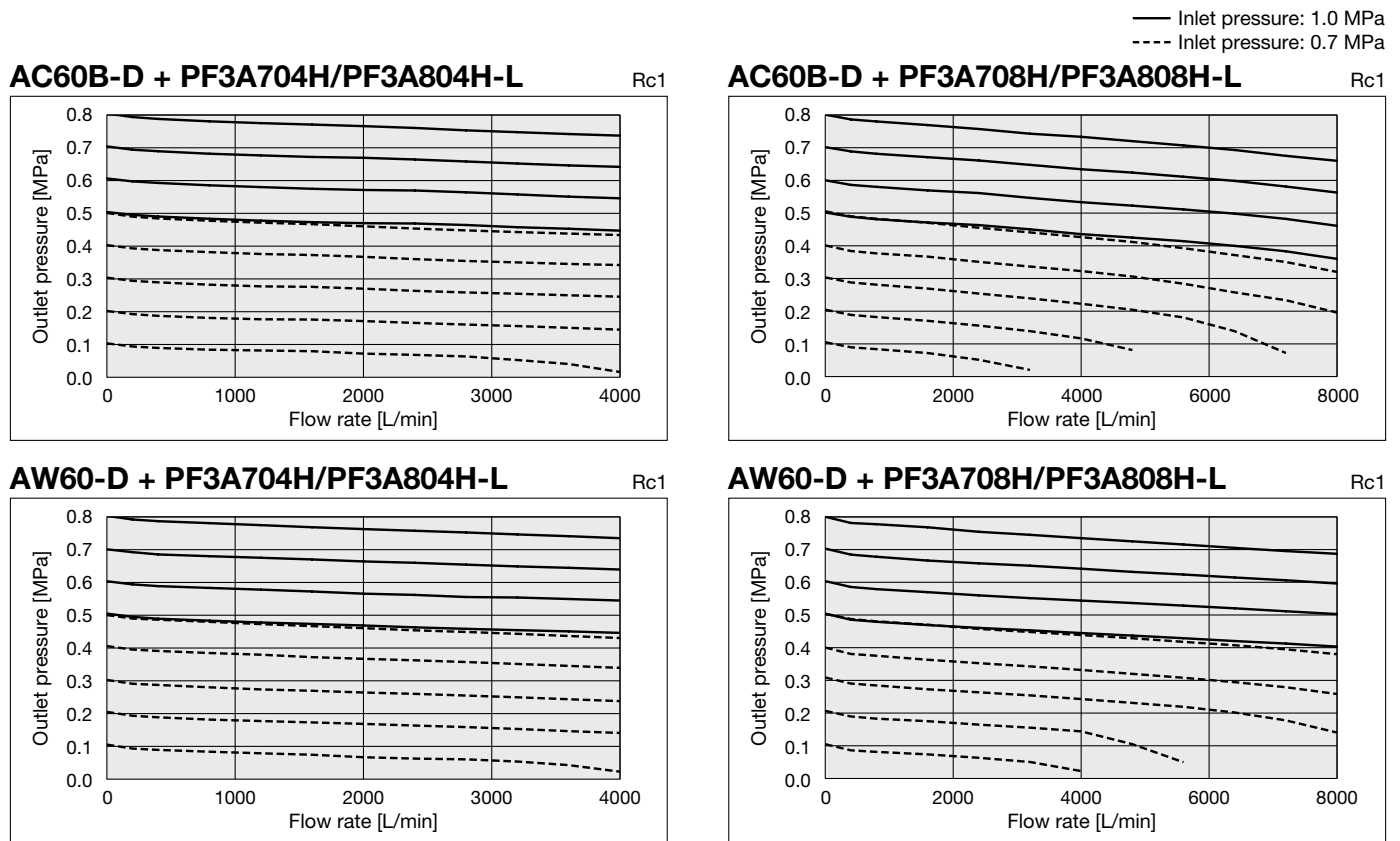


Flow Rate Characteristics (Reference Data)

* This product cannot be used for applications in which the flow exceeds the rated flow range. Use caution when selecting a product.

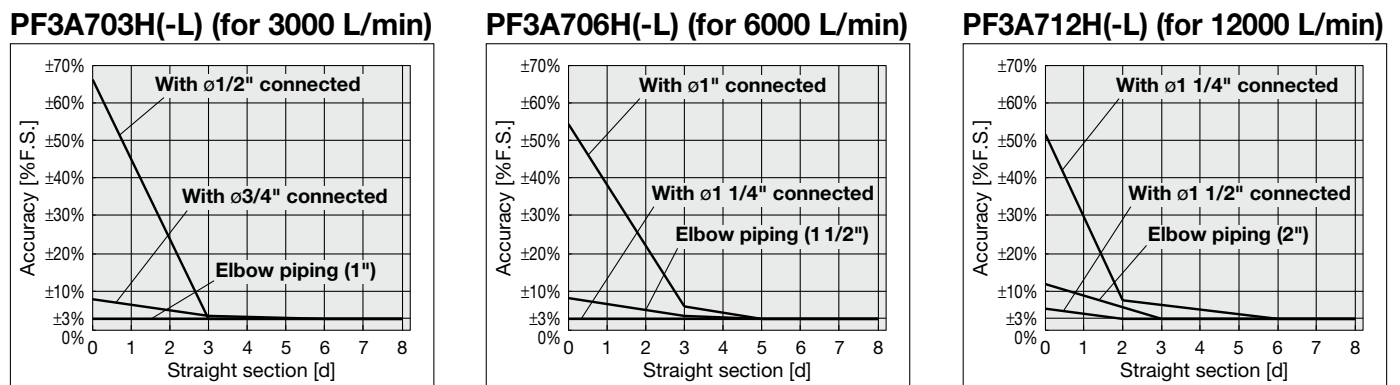
PF3A□H(-L) Series

Flow Rate Characteristics (Reference Data)

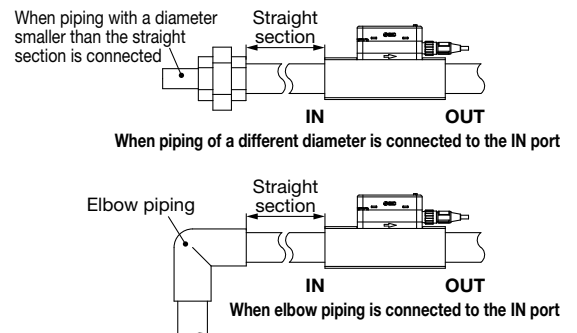


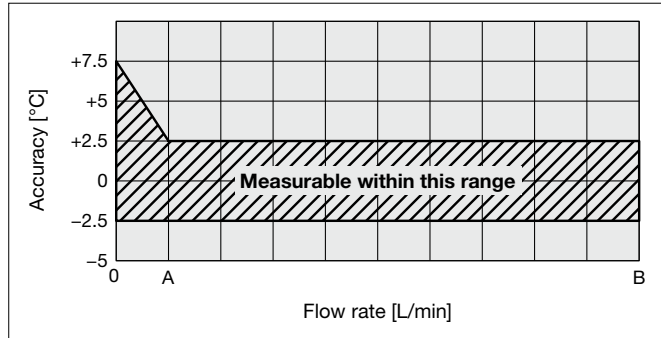
* This product cannot be used for applications in which the flow exceeds the rated flow range. Use caution when selecting a product.

IN Side Straight Section and Accuracy (Reference Data)



- Do not connect equipment or piping which may generate fluctuations in the flow or drift on the IN side of the product. When installing a regulator on the IN side of the product, make sure that chatter is not generated.
 - The piping on the IN side must have a straight section of piping whose length is more than 8 times the piping I.D.
- If a straight section of piping is not installed, the accuracy may vary by $\pm 3\%$ F.S. or more.
- * The "straight section" refers to a section of piping without any bends or rapid changes in the cross sectional area.



Temperature Accuracy (Reference Data)**PF3A801H/802H-L**

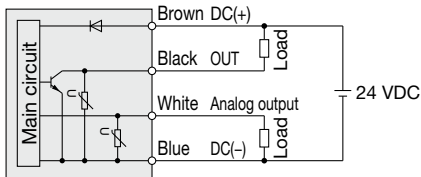
Model	A	B
PF3A8R5H-L	50 L/min	500 L/min
PF3A801H-L	100 L/min	1000 L/min
PF3A802H-L	200 L/min	2000 L/min
PF3A804H-L	400 L/min	4000 L/min
PF3A808H-L	800 L/min	8000 L/min

< Temperature Measurement >

When there is no (low) fluid flow, the heat of the platinum sensor heated for flow detection is transmitted to the temperature sensor, so the temperature measurement value in the low flow range (less than 10% of the rated flow rate) tends to increase in relation to the fluid temperature.

< Detection Principle (Flow) >

When a heated platinum sensor is installed in the branch passage, and fluid flows through it, the fluid removes heat from the platinum sensor. The resistance value of the platinum sensor decreases as it loses heat. As the resistance value decrease ratio has a uniform relationship to the fluid flow, the flow rate can be detected by measuring the resistance value.

Internal Circuits and Wiring Examples**NPN + Analog output selected****PF3A7□□H-□□-CS/DS□-□□**

Max. applied voltage: 28 V, Max. load current: 60 mA, Internal voltage drop: 1 V or less

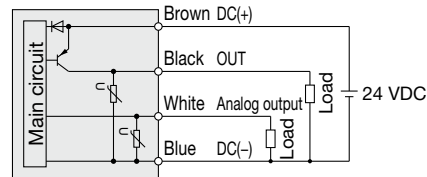
CS: Analog output: 1 to 5 V or 0 to 10 V

Output impedance: 1 k Ω

DS: Analog output: 4 to 20 mA

Max. load impedance: 600 Ω

Min. load impedance: 50 Ω

PNP + Analog output selected**PF3A7□□H-□□-ES/FS□-□□**

Max. load current: 60 mA, Internal voltage drop: 2 V or less

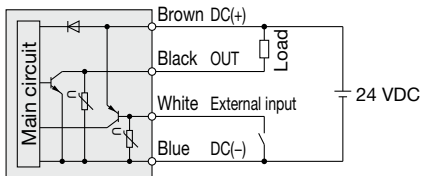
ES: Analog output: 1 to 5 V or 0 to 10 V

Output impedance: 1 k Ω

FS: Analog output: 4 to 20 mA

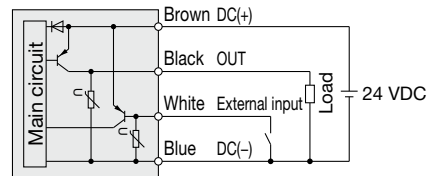
Max. load impedance: 600 Ω

Min. load impedance: 50 Ω

NPN + External input selected**PF3A7□□H-□□-CS/DS□-□□**

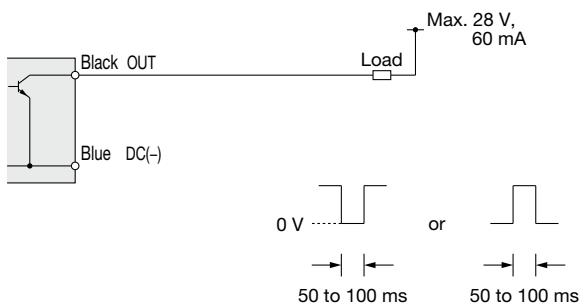
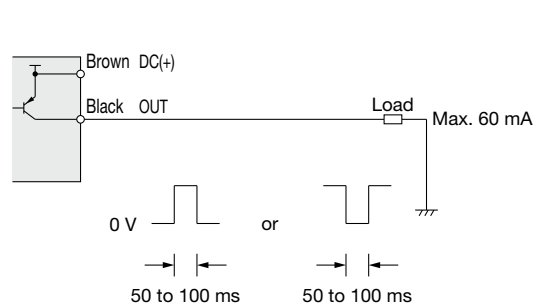
Max. applied voltage: 28 V, Max. load current: 60 mA, Internal voltage drop: 1 V or less

External input: Input voltage 0.4 V or less (Reed or Solid state input) for 30 ms or longer

PNP + External input selected**PF3A7□□H-□□-ES/FS□-□□**

Max. load current: 60 mA, Internal voltage drop: 2 V or less

External input: Input voltage 0.4 V or less (Reed or Solid state input) for 30 ms or longer

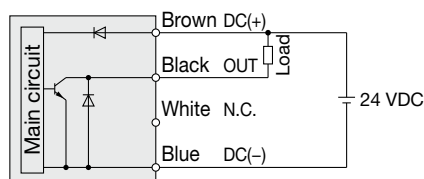
Accumulated pulse output wiring examples**PF3A7□□H-□□-CS/DS□-□□****PF3A7□□H-□□-ES/FS□-□□**

PF3A□H(-L) Series

Internal Circuits and Wiring Examples

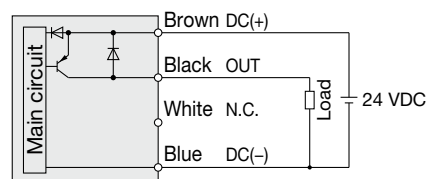
PF3A7□□H-□□-L□-□□

NPN output type



Max. applied voltage: 30 V, Max. load current: 60 mA, Internal voltage drop: 1.5 V or less

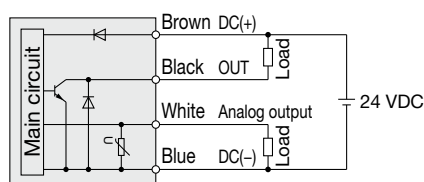
PNP output type



Max. load current: 60 mA, Internal voltage drop: 1.5 V or less

PF3A7□□H-□□-L3/L4□-□□

NPN + Analog output selected



Max. applied voltage: 30 V, Max. load current: 60 mA, Internal voltage drop: 1.5 V or less

L3: Analog output: 1 to 5 V or 0 to 10 V

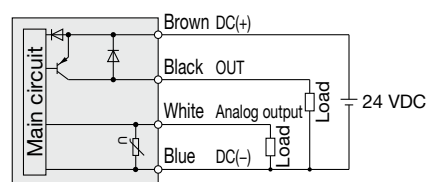
Output impedance: 1 k Ω

L4: Analog output: 4 to 20 mA

Max. load impedance: 600 Ω

Min. load impedance: 50 Ω

PNP + Analog output selected



Max. load current: 60 mA, Internal voltage drop: 1.5 V or less

L3: Analog output: 1 to 5 V or 0 to 10 V

Output impedance: 1 k Ω

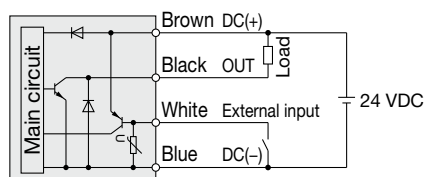
L4: Analog output: 4 to 20 mA

Max. load impedance: 600 Ω

Min. load impedance: 50 Ω

PF3A7□□H-□□-L3/L4□-□□

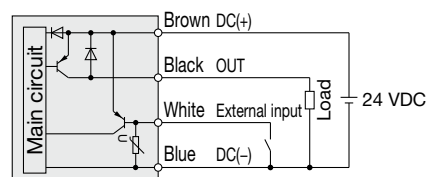
NPN + External input selected



Max. applied voltage: 30 V, Max. load current: 60 mA, Internal voltage drop: 1.5 V or less

External input voltage: 0.4 V or less (Reed or Solid state input) for 30 ms or longer

PNP + External input selected

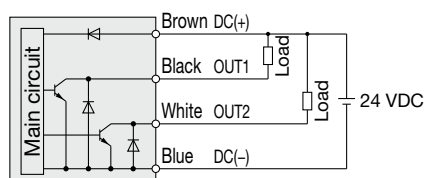


Max. load current: 60 mA, Internal voltage drop: 1.5 V or less

External input voltage: 0.4 V or less (Reed or Solid state input) for 30 ms or longer

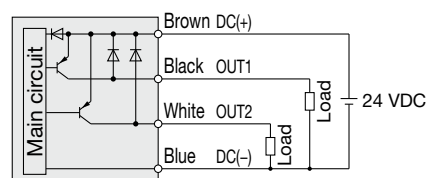
PF3A8□-L2□-□□

NPN 2 output type



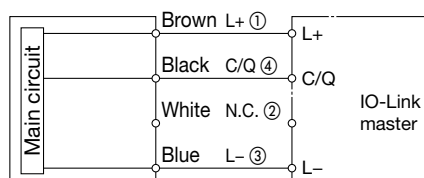
Max. applied voltage: 30 V, Max. load current: 60 mA, Internal voltage drop: 1.5 V or less

PNP 2 output type

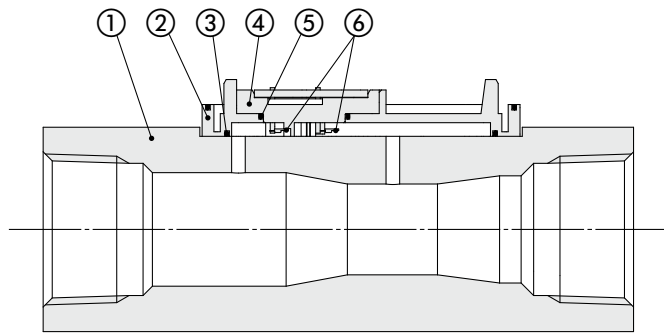


Max. load current: 60 mA, Internal voltage drop: 1.5 V or less

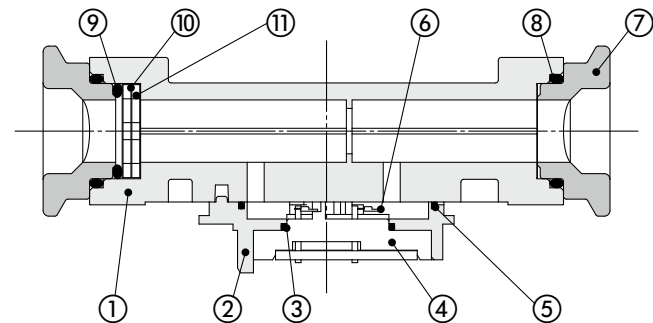
When used as an IO-Link device



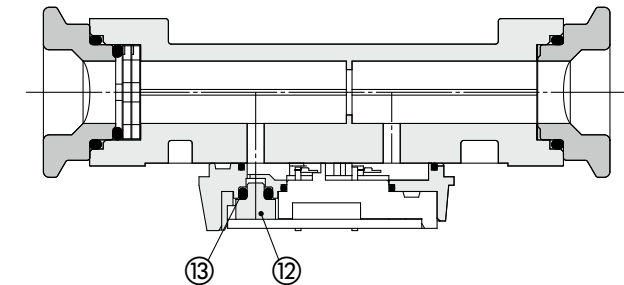
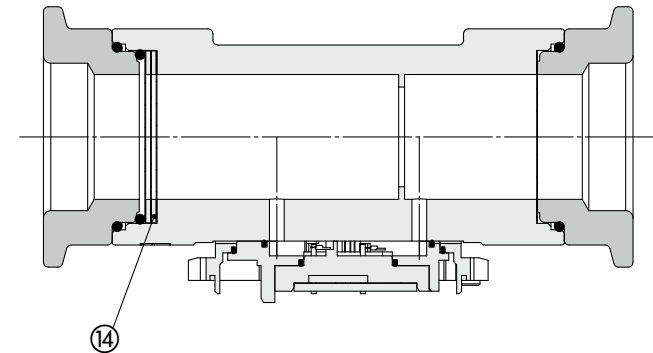
* The numbers in the diagram show the connector pin layout.

Construction: Parts in Contact with Fluid**PF3A703H(-L)/706H(-L)/712H(-L)****Component Parts**

No.	Description	Material	Note
1	Body	Aluminum alloy	Anodized
2	Branch passage	PPS	—
3	Gasket	HNBR	—
4	Sensor base	PPS	—
5	Gasket	HNBR	—
6	Sensor	Au, Pt, Al ₂ O ₃	—

PF3A7R5H(-L)/PF3A701H(-L)/702H(-L)**Component Parts**

No.	Description	Material	Note
1	Body	ADC	
2	Branch passage	PPS	
3	Gasket	HNBR	
4	Sensor base	PPS	
5	Gasket	HNBR	
6	Sensor	Au, Pt, Al ₂ O ₃	
7	Attachment	ADC	
8	O-ring	HNBR	
9	O-ring	HNBR	
10	Mesh	Stainless steel 304	
11	Spacer	PPS	
12	Pressure sensor	Silicon, PPS	
13	O-ring	HNBR	
14	Spacer	Stainless steel 304	

PF3A8R5H-L/PF3A801H-L/802H-L**PF3A704H(-L)/PF3A708H(-L)/PF3A804H-L/PF3A808H-L**

Body Ported Type PF3A□H(-L)

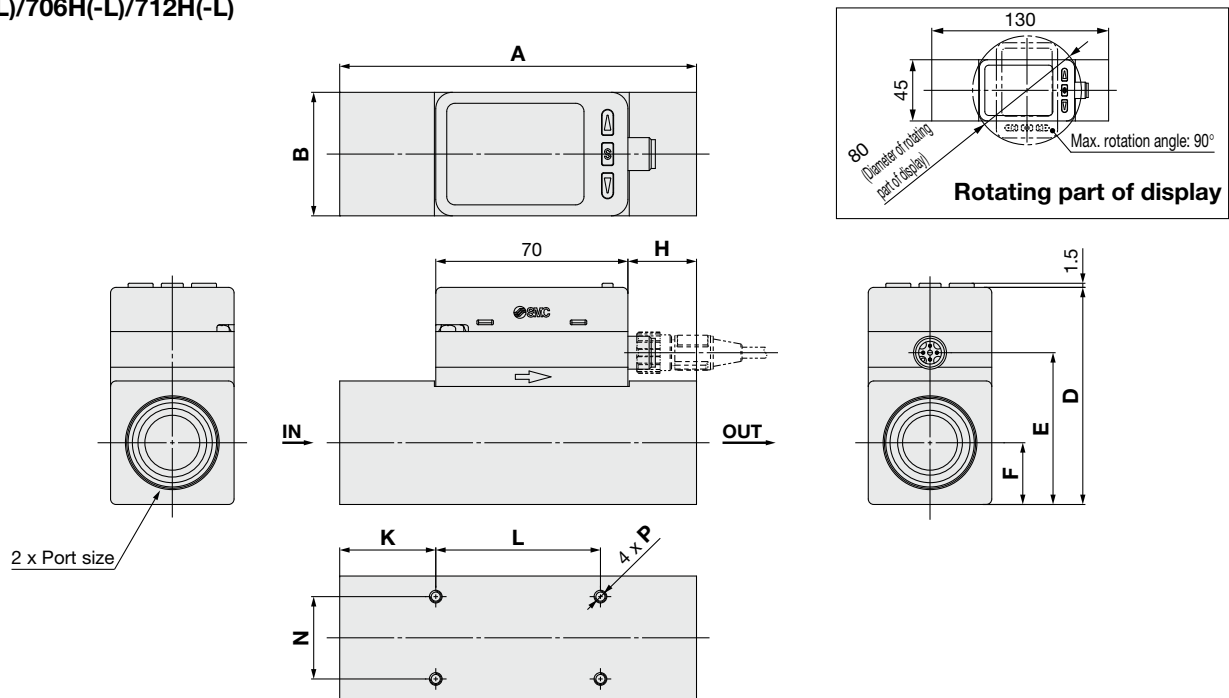
Modular Type PF3A□H(-L)

PFG300

PF3A□H(-L) Series

Dimensions: Body Ported Type

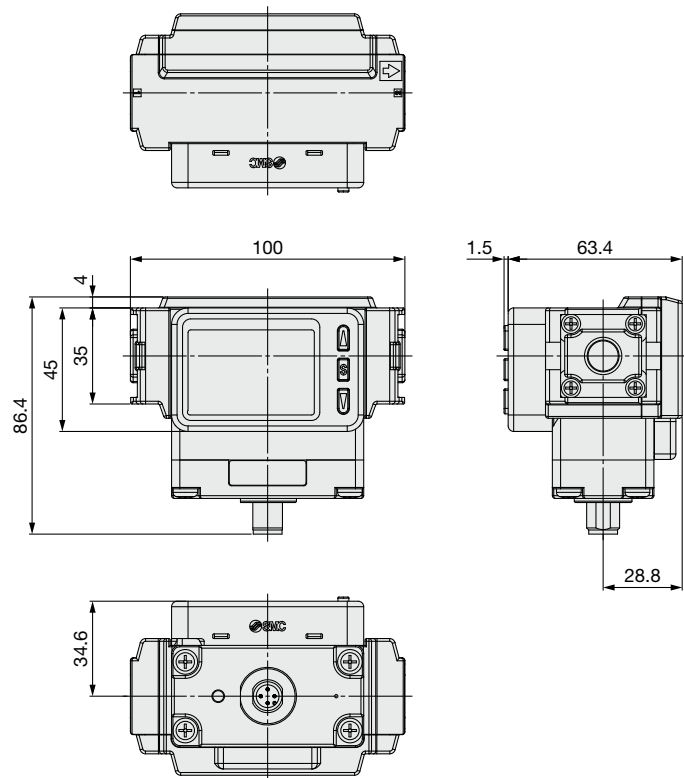
PF3A703H(-L)/706H(-L)/712H(-L)



Model	Symbol	Port size	A	B	D	E	F	H	K	L	N	P
PF3A703H		Rc1, NPT1, G1	130	45	79.1	55.3	22.5	25	35	60	30	M4 x 0.7 depth 7
PF3A706H		Rc1 1/2, NPT1 1/2, G1 1/2	170	60	94.1	70.3	30	68	45	80	40	M5 x 0.8 depth 8
PF3A712H		Rc2, NPT2, G2	200	70	104.1	80.3	35	85	50	100	50	M6 x 1.0 depth 9

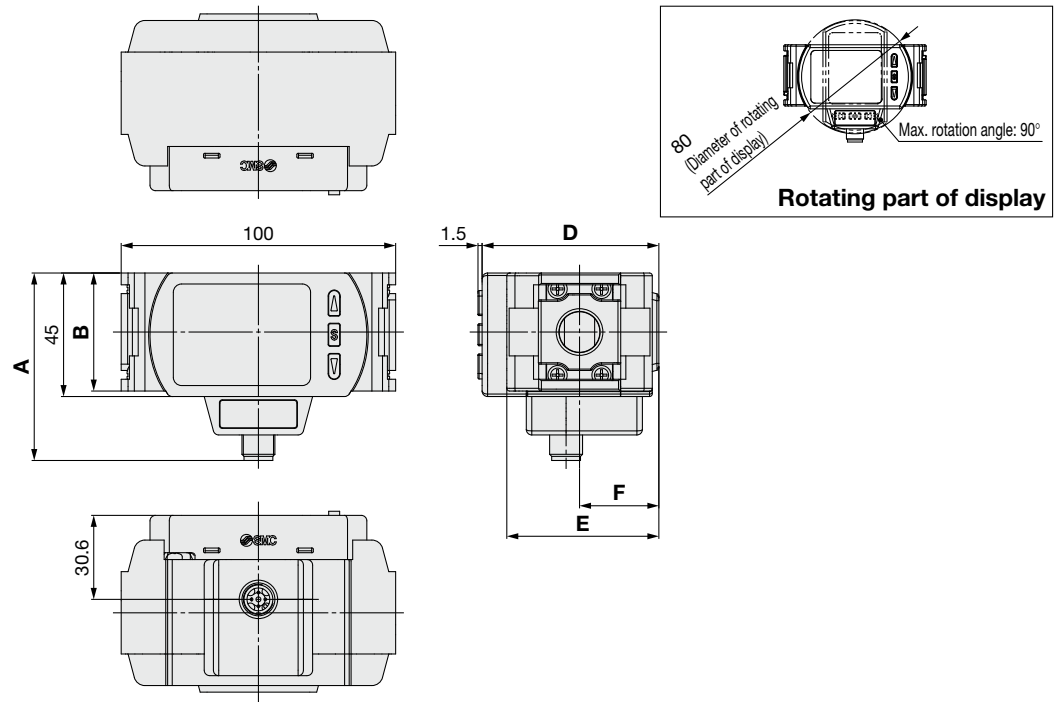
Dimensions: Modular Type

PF3A7R5H(-L)
PF3A8R5H(-L)



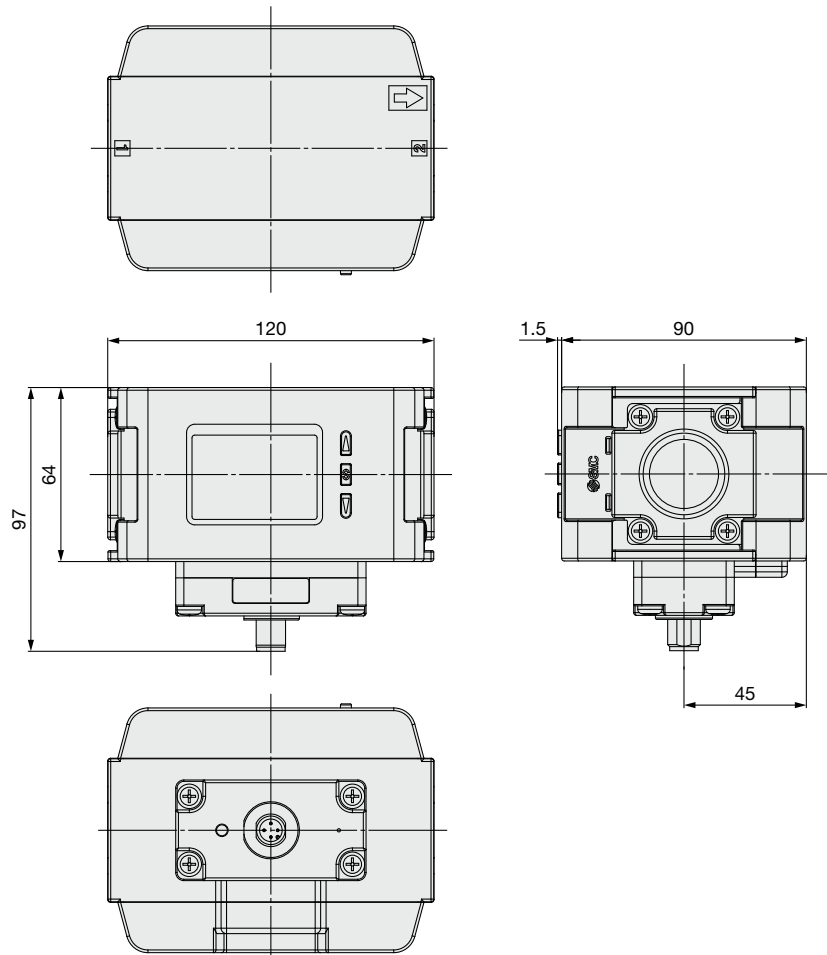
Dimensions: Modular Type

PF3A701H/702H(-L)
PF3A801H/802H(-L)



Model	Symbol	A	B	D	E	F
PF3A701H/PF3A801H		68.3	43	64.4	55.4	28.9
PF3A702H/PF3A802H		72.3	51	73	71	35.5

PF3A704H/708H(-L)
PF3A804H/808H(-L)



Body Ported Type PF3A□H(-L)

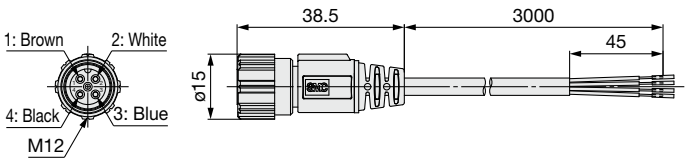
Modular Type PF3A□H(-L)

PFG300

PF3A□H(-L) Series

Dimensions

Lead wire with M12 connector (Part no.: ZS-37-A)



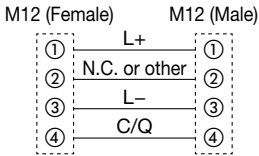
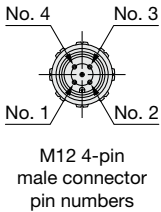
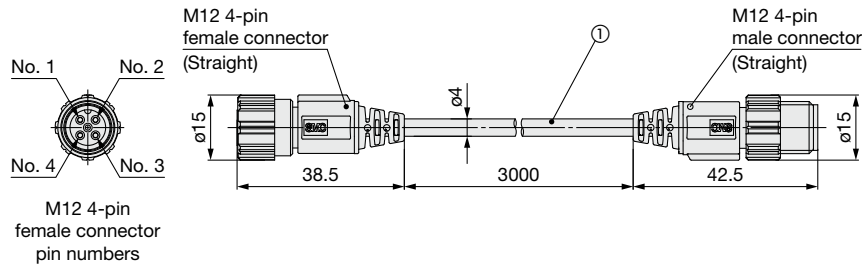
Pin no.	Pin name	Wire color
1	DC(+)	Brown
2	FUNC	White
3	DC(-)	Blue
4	OUT(C/Q)	Black

* 4-wire type lead wire with M12 connector
used for the PF3A series

Cable Specifications

Conductor	Nominal cross section	AWG23
Insulator	Outside diameter	Approx. 1.1 mm
	Color	Brown, Blue, Black, White
Sheath	Finished outside diameter	φ4

Lead wire with M12-M12 connector (Part no.: ZS-49-A)



Wiring diagram

* For wiring, refer to the "Operation Manual" on the SMC website, <https://www.smcworld.com>

PF3A□H(-L) Series

Accessories

Unlike other options that can be provided with the shipped product, this option must be ordered separately.

Lead Wire with M12 Connector (Loose wires on 1 side)

EX500-AP 050 - S

Cable length (L)

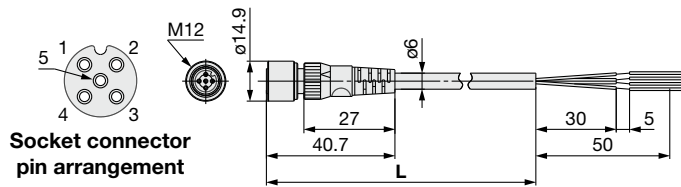
010	1000 mm
050	5000 mm

Connector specification

S	Straight
A	Angled

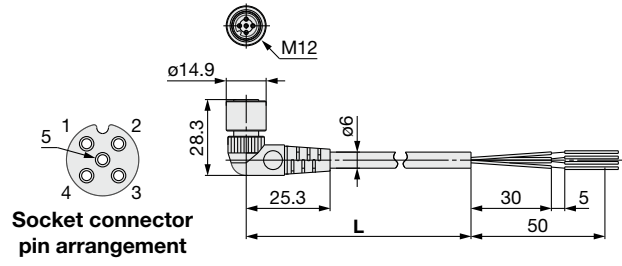


Straight connector type

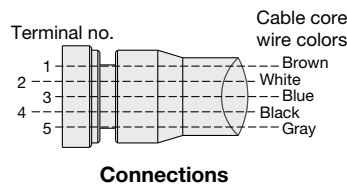


Item	Specifications
Cable O.D.	ø6 mm
Nominal cross section	0.3 mm ² /AWG22
Wire diameter (Including insulator)	1.5 mm
Min. bending radius	40 mm (Fixed)

Angled connector type



Item	Specifications
Cable O.D.	ø6 mm
Nominal cross section	0.3 mm ² /AWG22
Wire diameter (Including insulator)	1.5 mm
Min. bending radius	40 mm (Fixed)

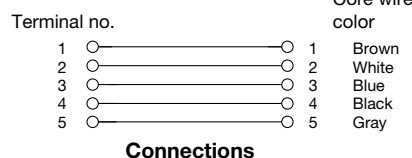
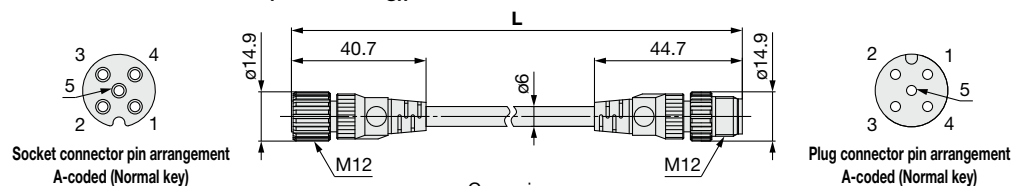


Lead Wire with M12 Connector (Connectors on Both Sides)

EX9-AC 005 -SSPS (With connectors on both sides (Socket/Plug))

Cable length (L)

005	500 mm
010	1000 mm
020	2000 mm
030	3000 mm
050	5000 mm
100	10000 mm



Item	Specifications
Cable O.D.	ø6 mm
Conductor nominal cross section	0.3 mm ² /AWG22
Wire O.D. (Including conductor)	1.5 mm
Min. bending radius (Fixed)	40 mm

Body Ported Type PF3A□H(-L)

Modular Type PF3A□H(-L)

PFG300

Modular Type PF3A□H(-L) Series Optional Accessories



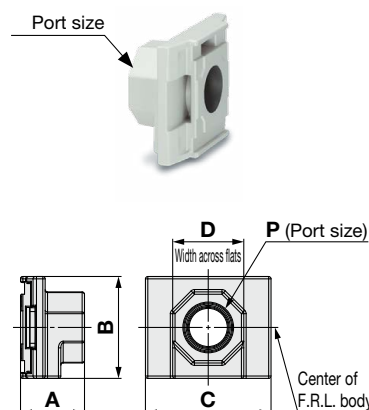
Piping Adapter: 1/8, 1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2

A piping adapter allows for the installation/removal of the component without removing the piping and thus makes maintenance easier.

E **300** - **03** - **D**

① ② ③

	Symbol	Description	① Body size [Applicable AC size]			
			200 [AC20]	300 [AC30]	400 [AC40]	600 [AC50, AC60]
② Pipe thread type	Nil	Rc	●	●	●	●
	N	NPT	●	●	●	●
	F	G	●	●	●	●
③ Port size	+	01	1/8	—	—	—
		02	1/4	●	●	—
		03	3/8	●	●	—
		04	1/2	—	●	—
		06	3/4	—	—	●
		10	1	—	—	●
		12	1 1/4	—	—	●
		14	1 1/2	—	—	●



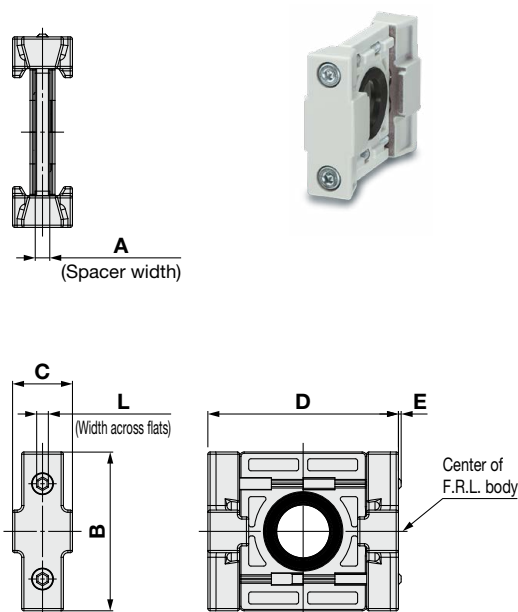
Model	P	A	B	C	D	Applicable AC size
E200-D	1/8, 1/4, 3/8	24	35	42	24	AC20-D
E300-D	1/4, 3/8, 1/2	27	43	53	30	AC30-D
E400-D	1/4, 3/8, 1/2, 3/4	30	51	71	36	AC40-D
E600-D	3/4, 1	39	64	90	46	AC50-D
	1 1/4, 1 1/2	42			63	AC60-D

Caution on Mounting

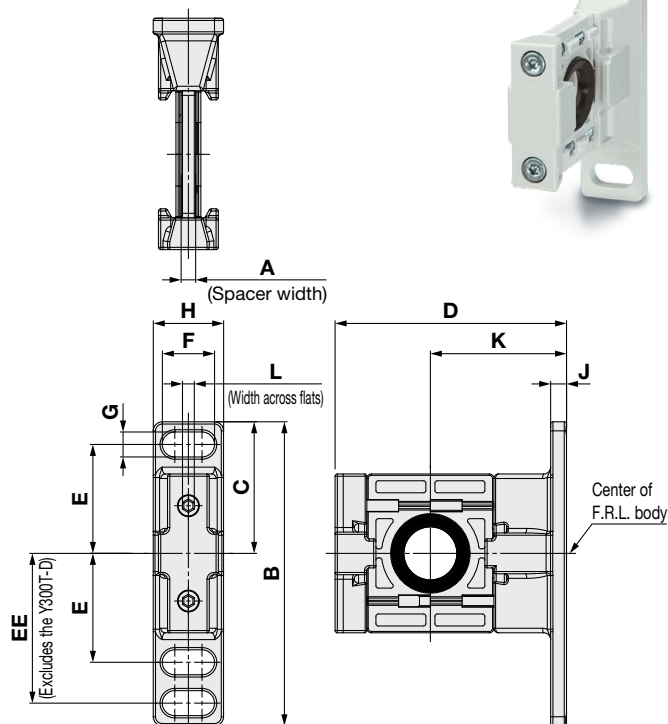
Pipe threads are not provided on the face which connects with the other components. For use, a separate spacer (or spacer with bracket) is required.

Spacer/Spacer with Bracket

Spacer



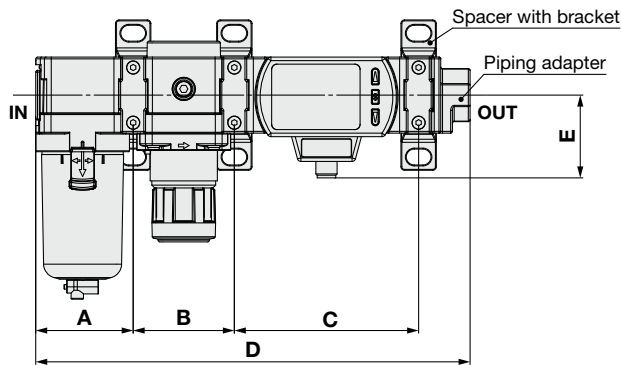
Spacer with bracket



Model	A	B	C	D	E	L	Applicable size
Y200-D	3.2	35	13.2	42	0.6	2	AC20-D
Y300-D	4.2	43	16.2	53	—	3	AC30-D
Y400-D	5.2	51	19.2	71	—	3	AC40-D
Y600-D	6.2	64	27.2	90	—	4	AC50-D AC60-D

Model	A	B	C	D	E	EE	F	G	H	J	K	L	Applicable size
Y200T-D	3.2	67	29	51	24	33	11.5	5.5	15.5	3.5	30	2	AC20-D
Y300T-D	4.2	85	42.5	67.5	35	—	14	7	20	6	41	3	AC30-D
Y400T-D	5.2	115	50	85.5	40	55	18	9	26	7	50	3	AC40-D
Y600T-D	6.2	140	60	115	50	70	20	11	31.2	8	70	4	AC50-D AC60-D

Mounting Position Example



Applicable air combination model	A	B	C	D	E
AC20-D	41.6	43.2	103.2	213.6	64.9
AC30-D	55.1	57.2	104.2	245.6	46.8
AC40-D	72.6	75.2	105.2	285.6	46.8
AC50-D	93.1	96.2	126.2	357.6	65
AC60-D	98.1	101.2	126.2	367.6	65

Body Ported Type **PF3A□H(-L)**

Modular Type **PF3A□H(-L)**

PFG300