

AC-D Series

Accessories (Spacer / Spacer with Bracket)

Spacer / Spacer with Bracket

Y **300** **□** - D

① ②

	Symbol	Description	①				
			Body size [Applicable AC size]				
			200 [AC20]	300 [AC30]	400 [AC40]	500 [AC40-06]	600 [AC50/AC60]
②	Bracket	Nil	Spacer	●	●	●	●
		T	Spacer with bracket	●	●	●	●

Spacer
(Y□-D)



Spacer with bracket
(Y□T-D)



Standard Specifications

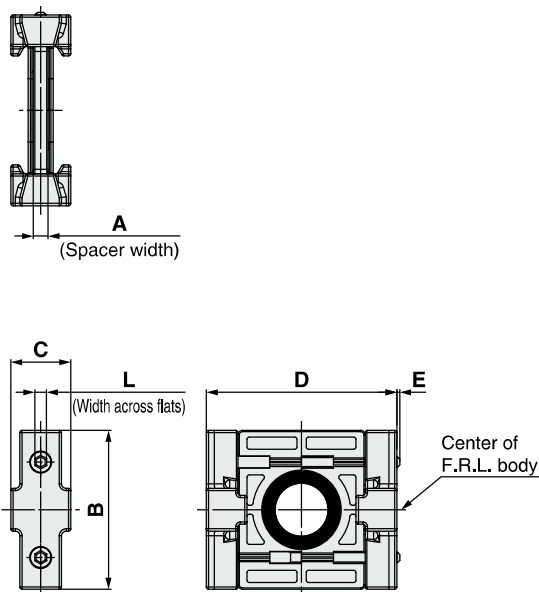
Fluid	Air
Ambient and fluid temperatures	-5 to 60°C (No freezing)
Proof pressure	1.5 MPa
Max. operating pressure	1.0 MPa

Replacement Parts

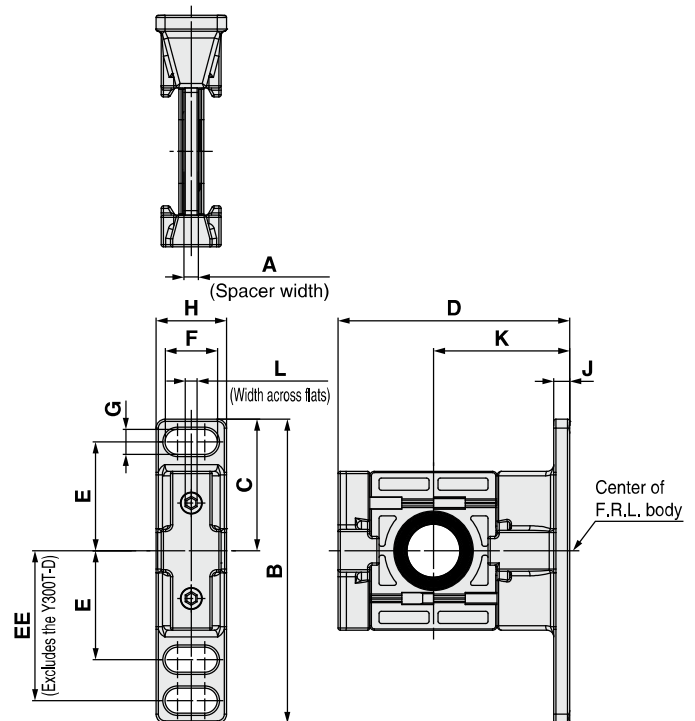
Description	Material	Part no.				
		Y200-D Y200T-D	Y300-D Y300T-D	Y400-D Y400T-D	Y500-D Y500T-D	Y600-D Y600T-D
Seal	HNBR	Y220P-050S	Y320P-050S	Y420P-050S	Y520P-050S	Y620P-050S

Dimensions

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
Y500-D	5.2	54	21.2	71	—	3	AC40-06-D
Y600-D	6.0	64	23.0	80	—	4	AC50-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
Y500T-D	5.2	115	50	85.5	40	55	18	9	26	7	50	3	AC40-06-D
Y600T-D	6.0	140	60	115	50	70	20	11	31.0	8	70	4	AC50-D

AC-D Series

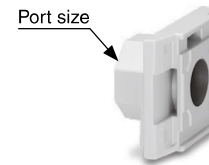
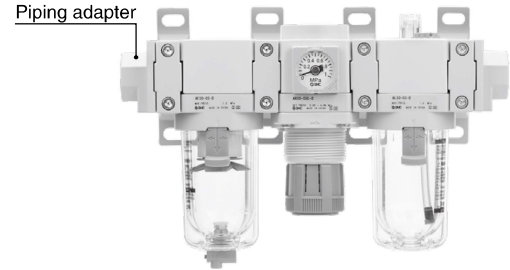
Piping Adapter: 1/8, 1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2

· Using on the inlet side or the outlet side of F.R.L. units makes it easier to perform maintenance, as the component can be installed/ removed without removing the piping.

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

① ② ③

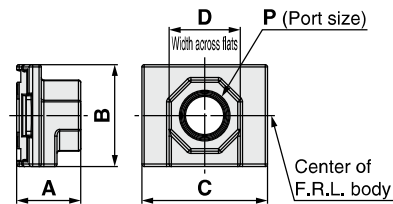
	Symbol	Description	①				
			Body size [Applicable AC size]				
			200 [AC20]	300 [AC30]	400 [AC40]	500 [AC40-06]	600 [AC50, AC60]
②	Pipe thread type	Nil	Rc	●	●	●	●
		N	NPT	●	●	●	●
		F	G	●	●	●	●
③	Port size	+					
		01	1/8	●	—	—	—
		02	1/4	●	●	—	—
		03	3/8	●	●	—	—
		04	1/2	—	●	—	—
		06	3/4	—	—	●	●
		10	1	—	—	●	●
		12	1 1/4	—	—	—	●
		14	1 1/2	—	—	—	●



Standard Specifications

Fluid	Air
Ambient and fluid temperatures	-5 to 60°C (No freezing)
Proof pressure	1.5 MPa
Max. operating pressure	1.0 MPa

Dimensions



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
E500-D	3/4	31	54	71	36	AC40-06-D
	1				46	
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.

L-Shaped Piping Adapter: 1/8, 1/4, 3/8, 1/2, 3/4, 1

- Upward/downward piping is possible on the inlet side and the outlet side of F.R.L. units.
- Ideal for space-saving and reducing piping labor
- Using on the inlet side or the outlet side of F.R.L. units makes it easier to perform maintenance, as the component can be installed/removed without removing the piping.

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

① ② ③

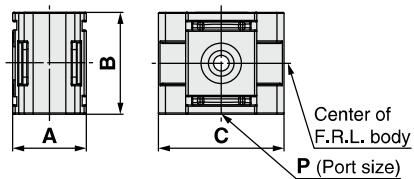
	Symbol	Description	① Body size [Applicable AC size]				
			200 [AC20]	300 [AC30]	400 [AC40]	500 [AC40-06]	600 [AC50, AC60]
② Pipe thread type	Nil	Rc	●	●	●	●	●
	N	NPT	●	●	●	●	●
	F	G	●	●	●	●	●
+							
③ Port size	01	1/8	●	●	—	—	—
	02	1/4	●	●	●	—	—
	03	3/8	—	●	●	—	—
	04	1/2	—	—	●	●	●
	06	3/4	—	—	—	●	●
	10	1	—	—	—	—	●



Standard Specifications

Fluid	Air
Ambient and fluid temperatures	-5 to 60°C (No freezing)
Proof pressure	1.5 MPa
Max. operating pressure	1.0 MPa

Dimensions



Model	P	A	B	C	Applicable AC size
E200L-D	1/8, 1/4	28	35	42	AC20-D
E300L-D	1/8, 1/4, 3/8	31	43	53	AC30-D
E400L-D	1/4, 3/8, 1/2	39	51	71	AC40-D
E500L-D	1/2, 3/4	47	54	71	AC40-06-D
E600L-D	1/2, 3/4, 1	62	64	90	AC50-D 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.

AC

AF + AR + AL

AW + AL

AF + AR

AF + AFM + AR

AW + AFM

Attachments

AF

AFM / AFD

AR

AL

AW

AC-D Series

T-Shaped Piping Adapter: 1/8, 1/4, 3/8, 1/2, 3/4, 1

- Both upward and downward piping are possible on the inlet and outlet sides of F.R.L. units.
- Ideal for space-saving and reducing piping labor
- Using on the inlet side or the outlet side of F.R.L. units makes it easier to perform maintenance, as the component can be installed/ removed without removing the piping.

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

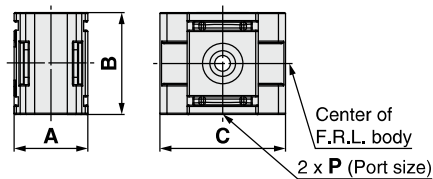
① ② ③

		Symbol	Description	①				
				Body size [Applicable AC size]				
				200 [AC20]	300 [AC30]	400 [AC40]	500 [AC40-06]	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	—	—	—	—	●

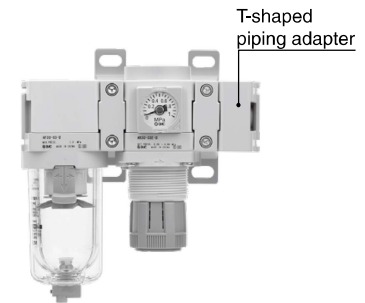
Standard Specifications

Fluid	Air
Ambient and fluid temperatures	-5 to 60°C (No freezing)
Proof pressure	1.5 MPa
Max. operating pressure	1.0 MPa

Dimensions



Model	P	A	B	C	Applicable AC size
E200T-D	1/8, 1/4	28	35	42	AC20-D
E300T-D	1/8, 1/4, 3/8	31	43	53	AC30-D
E400T-D	1/4, 3/8, 1/2	39	51	71	AC40-D
E500T-D	1/2, 3/4	47	54	71	AC40-06-D
E600T-D	1/2, 3/4, 1	62	64	90	AC50-D AC60-D



	Port size
IN	—
OUT	③

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.

T-Spacer: 1/8, 1/4, 3/8, 1/2, 3/4

· Using a T-spacer facilitates the branching of air flow.

Y **310** - **03** - **D**

① ② ③ ④

		Symbol	Description	① Body size [Applicable AC size]				
				210 [AC20]	310 [AC30]	410 [AC40]	510 [AC40-06]	610 [AC50, AC60]
②	Pipe thread type	Nil	Rc	●	●	●	●	●
		N	NPT	●	●	●	●	●
		F	G	●	●	●	●	●
③	Port size (OUT ①)	+		●	●	—	—	—
		01	1/8	●	●	—	—	—
		02	1/4	●	●	●	●	—
		03	3/8	—	○	●	●	●
		04	1/2	—	—	○	○	●
④	Body type	+		●	●	●	●	●
		Nil	Standard	●	●	●	●	●
		1	Slim	●	●	●	●	●

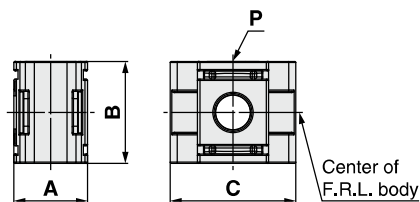
* ○: Only applicable to the standard type body

Standard Specifications

Fluid	Air
Ambient and fluid temperatures	−5 to 60°C (No freezing)
Proof pressure	1.5 MPa
Max. operating pressure	1.0 MPa

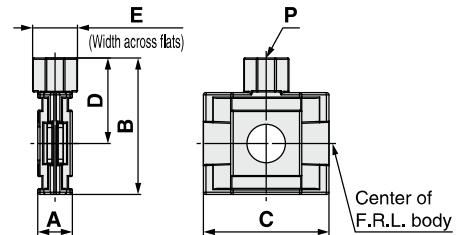
Dimensions

Body type: Standard

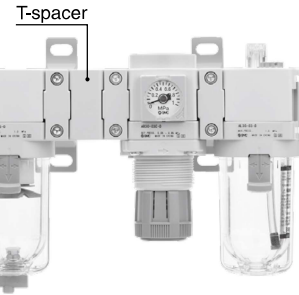


Model	P	A	B	C	Applicable AC size
Y210-D	1/8, 1/4	28	35	42	AC20-D
Y310-D	1/8, 1/4, 3/8	31	43	53	AC30-D
Y410-D	1/4, 3/8, 1/2	39	51	71	AC40-D
Y510-D	1/4, 3/8, 1/2, 3/4	47	54	71	AC40-06-D
Y610-D	3/8, 1/2, 3/4	62	64	90	AC50-D, AC60-D

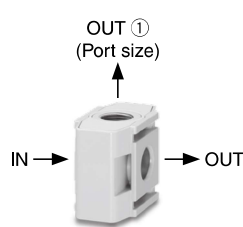
Body type: Slim



Model	P	A	B	C	D	E	Applicable AC size
Y210-1-D	1/8, 1/4	14.6	48.5	42	31	19	AC20-D
Y310-1-D	1/8, 1/4	14.6	57.5	53	36	19	AC30-D
Y410-1-D	1/4, 3/8	18.6	67	71	41.5	24	AC40-D
Y510-1-D	1/4, 3/8	18.6	70	63	43	24	AC40-06-D
Y610-1-D	3/8, 1/2	22	87	90	55	30	AC50-D, AC60-D

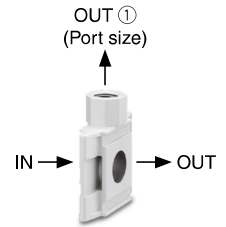


Body type: Standard (Y□-□□-D)



	Port size
IN	—
OUT	—
OUT ①	③

Body type: Slim (Y□-□□-1-D)



	Port size
IN	—
OUT	—
OUT ①	③

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.
- The backflow of oil may occur when a spacer is used on the inlet side of the lubricator. Attach a check valve between the lubricator and the product to prevent backflow.
- When the slim body type is to be mounted to a wall using a spacer with bracket, use a spacer on only one side.

AC

AF + AR + AL

AW + AL

AW + AL

AF + AR

AF + AFM + AR

AF + AFM

AW + AFM

Attachments

AF

AF

AFM / AFD

AFM / AFD

AR

AL

AW

AC-D Series

Cross Spacer: 1/8, 1/4, 3/8, 1/2, 3/4

The piping can be branched upward/downward (OUT ①) or forward/backward (OUT ②).

Y **34** - **03** - **D**

① ② ③ ④

		Symbol	Description	①				
				Body size [Applicable AC size]				
②	Pipe thread type	Nil	Rc	24 [AC20]	34 [AC30]	44 [AC40]	54 [AC40-06]	64 [AC50, AC60]
		N	NPT	●	●	●	●	●
		F	G	●	●	●	●	●
③	Port size (OUT ①)	+		●	●	—	—	—
		01	1/8	●	●	●	○	—
		02	1/4	—	●	●	●	○
		03	3/8	—	—	●	●	○
		04	1/2	—	—	—	●	○
④	Body type	Nil	Standard*1	●	●	●	●	●
		1	Front and back port selectable type*2	●	●	●	●	—
		+		●	●	●	●	—

*1 The front and back ports are for releasing pressure and only come in size 1/8, irrespective of the ③ port size. The minimum port size is 1.4 mm.

*2 The front and back ports come in the same size as the ③ port size.

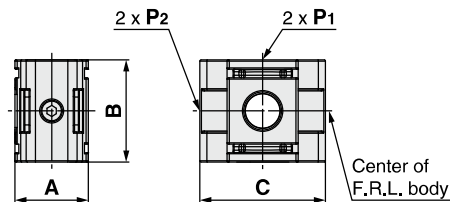
*3 "○" indicates that only the standard body type is applicable.

Standard Specifications

Fluid	Air
Ambient and fluid temperatures	−5 to 60°C (No freezing)
Proof pressure	1.5 MPa
Max. operating pressure	1.0 MPa

Dimensions

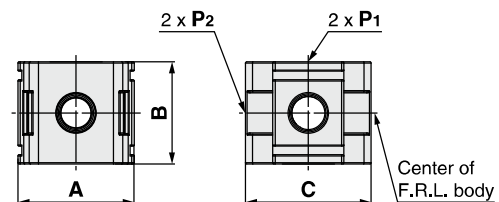
Body type: Standard



Model	P1	P2*1	A	B	C	Applicable AC size
Y24-D	1/8, 1/4	1/8	28	35	42	AC20-D
Y34-D	1/8, 1/4, 3/8	1/8	31	43	53	AC30-D
Y44-D	1/4, 3/8, 1/2	1/8	39	51	71	AC40-D
Y54-D	1/4, 3/8, 1/2, 3/4	1/8	47	54	71	AC40-06-D
Y64-D	3/8, 1/2, 3/4	1/8	62	64	90	AC50-D, AC60-D

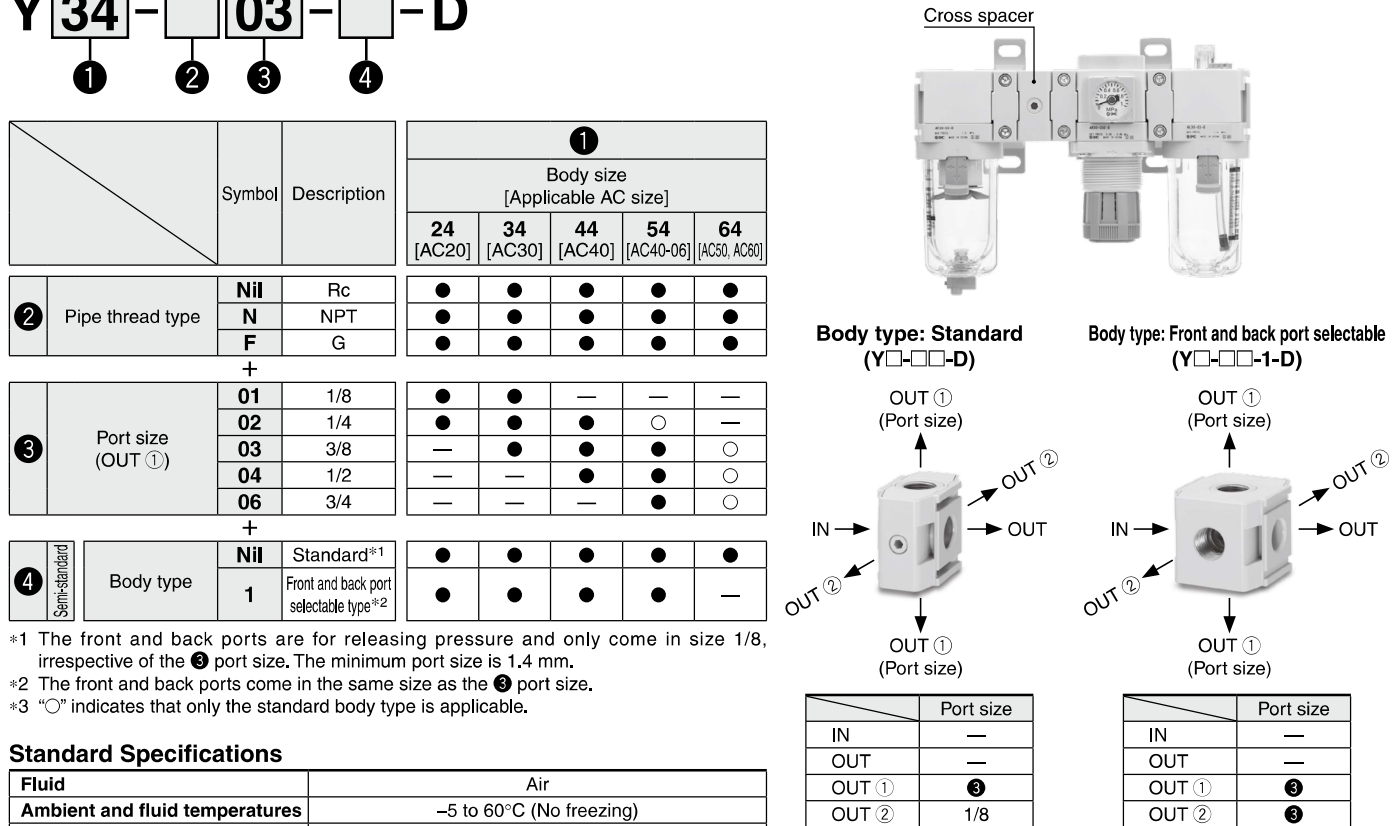
*1 A resin plug is attached to the P2 port and shipped together with the product.

Body type: Front and back port selectable



Model	P1, P2*1	A	B	C	Applicable AC size
Y24-1-D	1/8, 1/4	40	35	42	AC20-D
Y34-1-D	1/8, 1/4, 3/8	49	43	53	AC30-D
Y44-1-D	1/4, 3/8, 1/2	60	51	71	AC40-D
Y54-1-D	3/8, 1/2, 3/4	72	54	71	AC40-06-D

*1 Two hexagon socket head plugs the same size as the P1 and P2 ports are shipped together with the product.



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.
- The backflow of oil may occur when a spacer is used on the inlet side of the lubricator. Attach a check valve between the lubricator and the product to prevent backflow.

Semi-standard Symbol Selection

- Select one each for **a** to **d**.
- When more than one specification is required, indicate in alphanumeric order.
Example) IS10M-30-6LP-D

Pressure Switch

- A compact, integrated pressure switch can be easily installed to facilitate the pressure detection of the line.

IS10M-30-□-D

① ②

		Symbol	Description	①						
				Body size [Applicable AC size]						
				20 [AC20]	30 [AC30]	40 [AC40]	50 [AC40-06]	60 [AC50, AC60]		
②	Semi-standard	a	Body type	Nil	Standard					
				1	Slim					
		+								
		b	Set pressure range	Nil	0.1 to 0.4 MPa					
				6*1	0.1 to 0.6 MPa					
		+								
		c	Lead wire length	Nil	0.5 m					
				L	3 m					
				Z	5 m					
		+								
		d	Pressure unit of the scale plate	Nil	MPa					
				P*2	MPa/psi dual scale					

●: Without restrictions ○: With restrictions (Refer to *1 and *2.)

*1 The set pressure range for the 6P is 0.2 to 0.6 MPa (30 to 90 psi).

*2 This product is for overseas use only according to the New Measurement Act.
(The SI unit type is provided for use in Japan.)

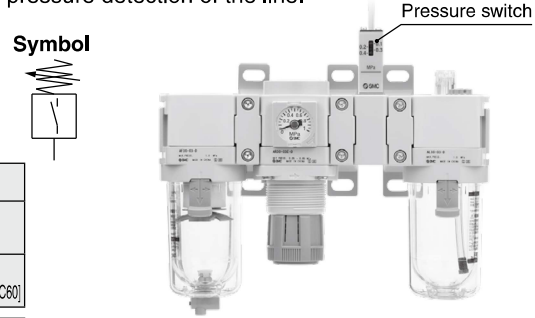
Standard Specifications

Fluid	Air
Ambient and fluid temperatures	-5 to 60°C (No freezing)
Proof pressure	1.0 MPa
Max. operating pressure	0.7 MPa
Set pressure range (when OFF)	0.1 to 0.4 MPa
Hysteresis	0.08 MPa or less
Contact point configuration	1a

Switch Characteristics

Max. contact point capacity	2 VA (AC), 2 W (DC)
Operating voltage: AC, DC	100 V or less
Max. operating current	24 VAC, DC or less: 50 mA 48 VAC, DC or less: 40 mA 100 VAC, DC or less: 20 mA

* For detailed specifications of the IS10 series, refer to the IS10 series section on the SMC website: <https://www.smcworld.com>



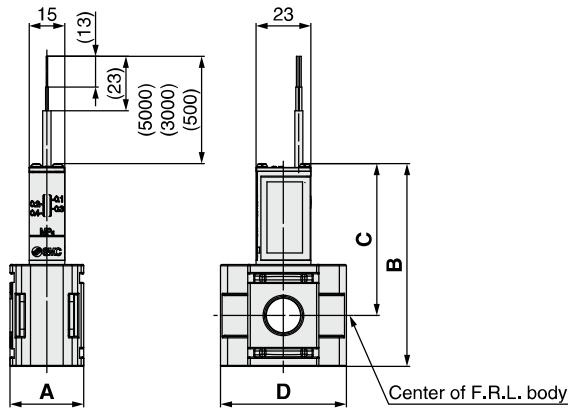
Body type: Standard
(IS10M-□□-D)

Body type: Slim
(IS10M-□□-1-D)



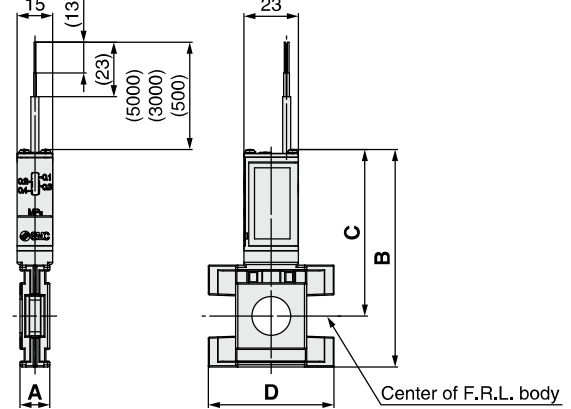
Dimensions

Body type: Standard



Model	A	B	C	D	Applicable AC size
IS10M-20-D	28	77.6	60.1	42	AC20-D
IS10M-30-D	31	85.6	64.1	53	AC30-D
IS10M-40-D	39	93.6	68.1	71	AC40-D
IS10M-50-D	47	96.6	69.6	71	AC40-06-D
IS10M-60-D	62	106.6	74.6	90	AC50-D, AC60-D

Body type: Slim



Model	A	B	C	D	Applicable AC size
IS10M-20-1-D	10.6	83.8	66.3	42	AC20-D
IS10M-30-1-D	12.6	91.8	70.3	53	AC30-D
IS10M-40-1-D	14.6	97.8	72.3	58.6	AC40-D
IS10M-50-1-D	16.6	100.8	73.8	59.3	AC40-06-D
IS10M-60-1-D	22	110.8	78.8	90	AC50-D, 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.

AC

AF + AR + AL

AF + AL

AW + AL

AF + AR

AF + AFM + AR

AF + AFM

AW + AFM

Attachments

AF

AFM / AFD

AR

AL

AW

AC-D Series

Pressure Switch with T-Spacer

- A compact, integrated pressure switch can be easily installed to facilitate the pressure detection of the line.

IS10T-30-03- -D

		Symbol	Description	①					
				Body size [Applicable AC size]					
				20 [AC20]	30 [AC30]	40 [AC40]	50 [AC40-06] [AC30, AC60]	60 [AC30, AC60]	
②	Pipe thread type	Nil	Rc	●	●	●	●	●	
		N	NPT	●	●	●	●	●	
		F	G	●	●	●	●	●	
+									
③	Port size (OUT①)	01	1/8	●	●	—	—	—	
		02	1/4	●	●	●	●	—	
		03	3/8	—	●	●	●	●	
		04	1/2	—	—	●	●	●	
		06	3/4	—	—	—	●	●	
+									
④	a	Set pressure range	Nil	0.1 to 0.4 MPa	●	●	●	●	●
		6*1	0.1 to 0.6 MPa	○	○	○	○	○	
	+								
④	b	Lead wire length	Nil	0.5 m	●	●	●	●	●
			L	3 m	●	●	●	●	●
			Z	5 m	●	●	●	●	●
+									
④	c	Pressure unit of the scale plate	Nil	MPa	●	●	●	●	●
			P*2	MPa/psi dual scale	○	○	○	○	○

●: Without restrictions ○: With restrictions (Refer to *1 and *2.)

- *1 The set pressure range for the 6P is 0.2 to 0.6 MPa (30 to 90 psi).
 *2 For the pipe thread type: NPT only
 This product is for overseas use only according to the New Measurement Act.
 (The SI unit type is provided for use in Japan.)

Standard Specifications

Fluid	Air
Ambient and fluid temperatures	-5 to 60°C (No freezing)
Proof pressure	1.0 MPa
Max. operating pressure	0.7 MPa
Set pressure range (when OFF)	0.1 to 0.4 MPa
Hysteresis	0.08 MPa or less
Contact point configuration	1a

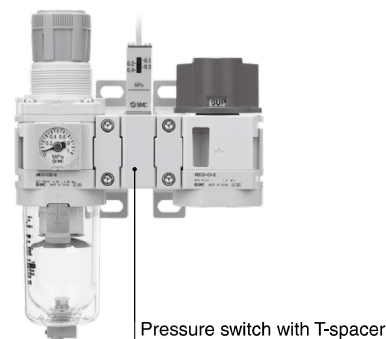
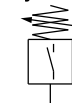
Switch Characteristics

Max. contact point capacity	2 VA (AC), 2 W (DC)
Operating voltage: AC, DC	100 V or less
Max. operating current	24 VAC, DC or less: 50 mA 48 VAC, DC or less: 40 mA 100 VAC, DC or less: 20 mA

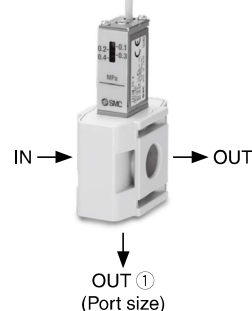
- * For detailed specifications of the IS10 series, refer to the IS10 series section on the SMC website: <https://www.smcworld.com>

Semi-standard Symbol Selection

- Select one each for **a** to **c**.
- When more than one specification is required, indicate in alphanumeric order.
Example) IS10T-30-N03-6LP-D

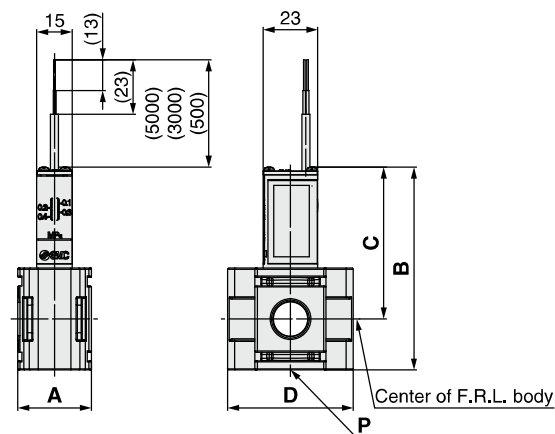
Symbol

Pressure switch with T-spacer



	Port size
IN	—
OUT	—
OUT ①	③

Dimensions



Model	P	A	B	C	D	Applicable AC size
IS10T-20-D	1/8, 1/4	28	77.6	60.1	42	AC20-D
IS10T-30-D	1/8, 1/4, 3/8	31	85.6	64.1	53	AC30-D
IS10T-40-D	1/4, 3/8, 1/2	39	93.6	68.1	71	AC40-D
IS10T-50-D	1/4, 3/8, 1/2, 3/4	47	96.6	69.6	71	AC40-06-D
IS10T-60-D	3/8, 1/2, 3/4	62	106.6	74.6	90	AC50-D, 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.
- The backflow of oil may occur when a spacer is used on the inlet side of the lubricator. Attach a check valve between the lubricator and

Semi-standard Symbol Selection

- Select one each for **a** to **d**.
- When more than one specification is required, indicate in alphanumeric order.
Example) IS10L-30-N03-6LP-D

Pressure Switch with L-Shaped Piping Adapter

- A compact, integrated pressure switch can be easily installed to facilitate the pressure detection of the line.
- Using on the inlet side or the outlet side of F.R.L. units allows the component to be installed/removed without removing the piping.

IS10L-30-03-D

1 2 3 4

		Symbol	Description	1 Body size [Applicable AC size]				
				20 [AC20]	30 [AC30]	40 [AC40]	50 [AC40-06]	60 [AC50, AC60]
2	Pipe thread type	Nil	Rc	●	●	●	●	●
		N	NPT	●	●	●	●	●
		F	G	●	●	●	●	●
3	Port size (OUT)	01	1/8	●	●	—	—	—
		02	1/4	●	●	—	—	—
		03	3/8	—	●	●	—	—
		04	1/2	—	—	●	●	●
		06	3/4	—	—	—	●	●
		10	1	—	—	—	—	●
4	a	Set pressure range	Nil	0.1 to 0.4 MPa	●	●	●	●
			6*1	0.1 to 0.6 MPa	○	○	○	○
	b	Lead wire length	Nil	0.5 m	●	●	●	●
			L	3 m	●	●	●	●
			Z	5 m	●	●	●	●
	c	Pressure unit of the scale plate	Nil	MPa	●	●	●	●
			P*2	MPa/psi dual scale	○	○	○	○
	d	Mounting position	Nil	Right	●	●	●	●
			R	Left	●	●	●	●

●: Without restrictions ○: With restrictions (Refer to *1 and *2.)

*1 The set pressure range for the 6P is 0.2 to 0.6 MPa (30 to 90 psi).

*2 For the pipe thread type: NPT only

This product is for overseas use only according to the New Measurement Act.
(The SI unit type is provided for use in Japan.)

Standard Specifications

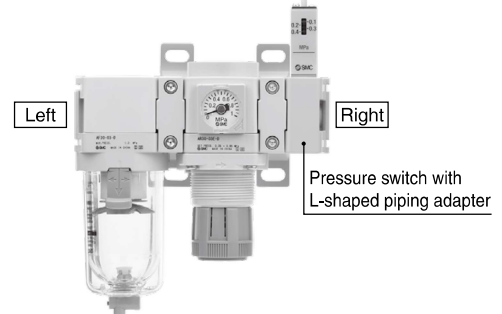
Fluid	Air
Ambient and fluid temperatures	-5 to 60°C (No freezing)
Proof pressure	1.0 MPa
Max. operating pressure	0.7 MPa
Set pressure range (when OFF)	0.1 to 0.4 MPa
Hysteresis	0.08 MPa or less
Contact point configuration	1a

Switch Characteristics

Max. contact point capacity	2 VA (AC), 2 W (DC)
Operating voltage: AC, DC	100 V or less
Max. operating current	24 VAC, DC or less: 50 mA 48 VAC, DC or less: 40 mA 100 VAC, DC or less: 20 mA

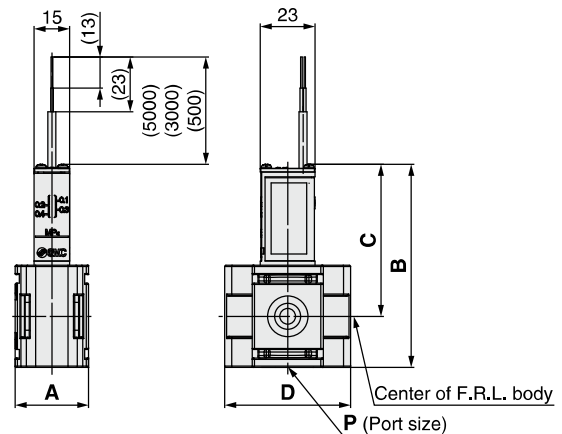
* For detailed specifications of the IS10 series, refer to the IS10 series section on the SMC website: <https://www.smcworld.com>

Symbol



	Port size
IN	—
OUT	3

Dimensions



Model	P	A	B	C	D	Applicable AC size
IS10L-20-D	1/8, 1/4	28	77.6	60.1	42	AC20-D
IS10L-30-D	1/8, 1/4, 3/8	31	85.6	64.1	53	AC30-D
IS10L-40-D	1/4, 3/8, 1/2	39	93.6	68.1	71	AC40-D
IS10L-50-D	1/2, 3/4	47	96.6	69.6	71	AC40-06-D
IS10L-60-D	1/2, 3/4, 1	62	106.6	74.6	90	AC50-D, AC60-D

AC-D Series

Pressure Switch with Piping Adapter

· A compact, integrated pressure switch can be easily installed to facilitate the pressure detection of the line.

IS10E-30-03-D

① ② ③ ④

		Symbol	Description	① Body size [Applicable AC size]					
				20 [AC20]	30 [AC30]	40 [AC40]	50 [AC40-06]	60 [AC50, AC60]	
②	Pipe thread type	Nil	Rc	●	●	●	●	●	
		N	NPT	●	●	●	●	●	
		F	G	●	●	●	●	●	
+									
③	Port size (OUT)	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	—	—	—	—	●	
+									
④ Semi-standard	a	Set pressure range	Nil	0.1 to 0.4 MPa	●	●	●	●	●
			6*1	0.1 to 0.6 MPa	○	○	○	○	○
	+								
	b	Lead wire length	Nil	0.5 m	●	●	●	●	●
			L	3 m	●	●	●	●	●
			Z	5 m	●	●	●	●	●
	+								
	c	Pressure unit of the scale plate	Nil	MPa	●	●	●	●	●
			P*2	MPa/psi dual scale	○	○	○	○	○
	+								
	d	Mounting position	Nil	Right	●	●	●	●	●
			R	Left	●	●	●	●	●

●: Without restrictions ○: With restrictions (Refer to *1 and *2.)

*1 The set pressure range for the 6P is 0.2 to 0.6 MPa (30 to 90 psi).

*2 For the pipe thread type: NPT only

This product is for overseas use only according to the New Measurement Act.
(The SI unit type is provided for use in Japan.)

Standard Specifications

Fluid	Air
Ambient and fluid temperatures	-5 to 60°C (No freezing)
Proof pressure	1.0 MPa
Max. operating pressure	0.7 MPa
Set pressure range (when OFF)	0.1 to 0.4 MPa
Hysteresis	0.08 MPa or less
Contact point configuration	1a

Switch Characteristics

Max. contact point capacity	2 VA (AC), 2 W (DC)
Operating voltage: AC, DC	100 V or less
Max. operating current	24 VAC, DC or less: 50 mA 48 VAC, DC or less: 40 mA 100 VAC, DC or less: 20 mA

* For detailed specifications of the IS10 series, refer to the IS10 series section on the SMC website: <https://www.smcworld.com>

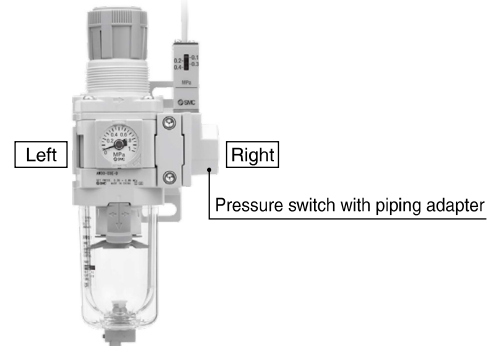
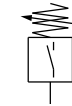
Semi-standard Symbol Selection

· Select one each for a to d.

· When more than one specification is required, indicate in alphanumeric order.

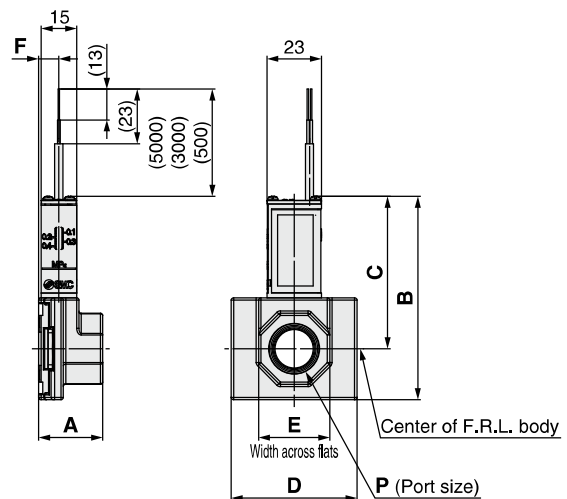
Example) IS10E-30-N03-6LP-D

Symbol



	Port size
IN	—
OUT	③

Dimensions



Model	P	A	B	C	D	E	F	Applicable AC size
IS10E-20-D	1/8, 1/4, 3/8	24	77.8	60.3	42	24		AC20-D
IS10E-30-D	1/4, 3/8, 1/2	27	85.8	64.3	53	30		AC30-D
IS10E-40-D	1/4, 3/8, 1/2, 3/4	30	93.8	68.3	71	36	8.5	AC40-D
IS10E-50-D	3/4	31	96.8	69.8	71	36		AC40-06-D
	1					46		
IS10E-60-D	3/4, 1	39	106.8	74.8	90	46		AC50-D, AC60-D
	1 1/4, 1 1/2	42				63	9.5	

Caution on Mounting

Right Angle Adapter

- Allows for modular connection with the product rotated 90 degrees

E 310 T-D

Body size

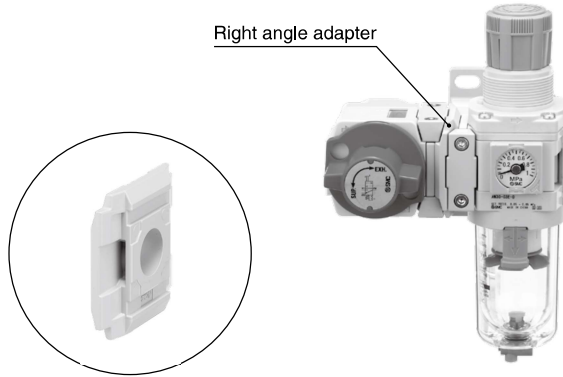
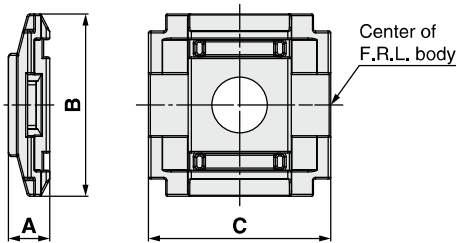
210
310
410

Right angle adapter

Standard Specifications

Fluid	Air
Ambient and fluid temperatures	-5 to 60°C (No freezing)
Proof pressure	1.5 MPa
Max. operating pressure	1.0 MPa

Dimensions



Model	A	B	C	Applicable AC size
E210T-D	9	42	42	AC20-D
E310T-D	12	53	53	AC30-D
E410T-D	15	71	71	AC40-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.
- When mounting to a wall using a spacer with bracket, use a spacer on only one side.

Reducing Adapter

- Allows for modular connection with products 1 body size larger or smaller

E 310 R-D

Body size

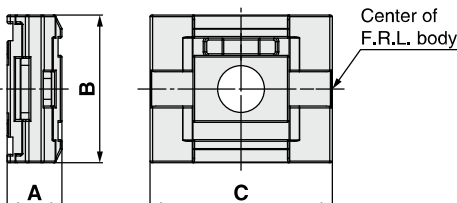
310	For connecting sizes 20 and 30
410	For connecting sizes 30 and 40

Reducing adapter

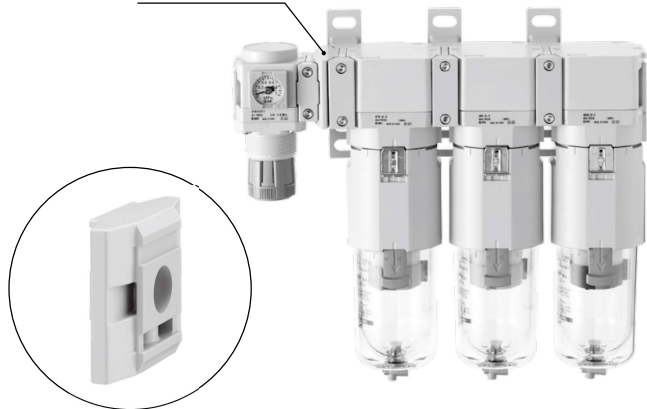
Standard Specifications

Fluid	Air
Ambient and fluid temperatures	-5 to 60°C (No freezing)
Proof pressure	1.5 MPa
Max. operating pressure	1.0 MPa

Dimensions



Reducing adapter



Model	A	B	C	Applicable AC size
E310R-D	16	43	53	AC20-D, AC30-D
E410R-D	20	51	71	AC30-D, AC40-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.

AC

AF + AR + AL

AW + AL

AF + AR

AF + AFM + AR

AW + AFM

Attachments

AF

AFM / AFD

AR

AL

AW

AC-D Series

Semi-standard Symbol Selection

- Select one each for **a** and **b**.
- When more than one specification is required, indicate in alphabetical order.
Example) Y34M-N03E-AZ-D

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

- Allows for devices to be connected on the top, bottom, left, and right with a spacer

Y **34** M - **03** **B** - **D**

① ② ③ ④ ⑤

		Symbol	Description	①				
				Body size [Applicable AC size]				
				24 [AC20]	34 [AC30]	44 [AC40]		
②	Pipe thread type	Nil	Rc	●	●	●		
		N	NPT	●	●	●		
		F	G	●	●	●		
+								
③	Port size	02	1/4	●	—	—		
		03	3/8	—	●	—		
		04	1/2	—	—	●		
+								
④	Option	Pressure gauge	B Without pressure gauge (Double-sided blanking plate)	●	●	●		
			E Square embedded type pressure gauge (with limit indicator)	●	●	●		
+								
⑤	Semi-standard	a	Top/bottom spacer mounting direction*1	Nil	Front to back mounting	●	●	●
				A	Left to right mounting	●	●	●
		+						
		b	Unit	Nil	Pressure gauge in SI units: MPa	●	●	●
Z*2	Pressure gauge: MPa/psi dual scale			○*3	○*3	○*3		

*1 It is possible to change the mounting direction of the spacer (From front to back to left to right). For details on how to do so, refer to the operation manual.

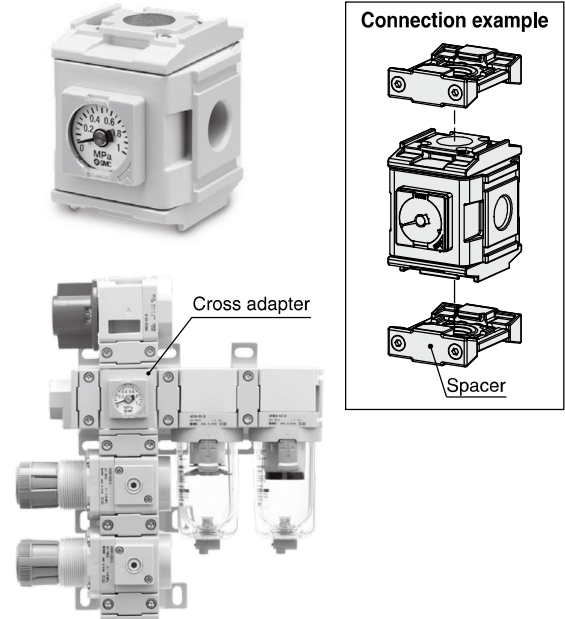
*2 For the pipe thread type: NPT. This product is for overseas use only according to the New Measurement Act. (The SI unit type is provided for use in Japan.)

*3 ○: For the pipe thread type: NPT only

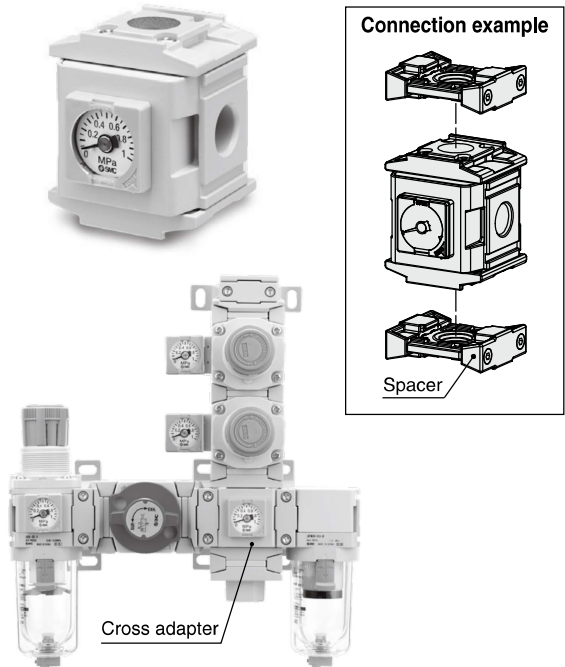
Standard Specifications

Fluid	Air
Ambient and fluid temperatures	-5 to 60°C (No freezing)
Proof pressure	1.5 MPa
Max. operating pressure	1.0 MPa

Top/bottom spacer mounting direction: Front to back mounting (Nil)



Top/bottom spacer mounting direction: Left to right mounting (A)

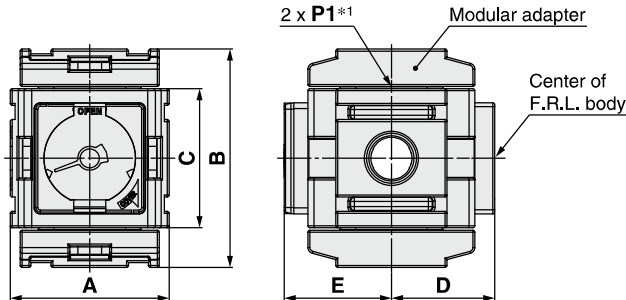


Caution on Mounting

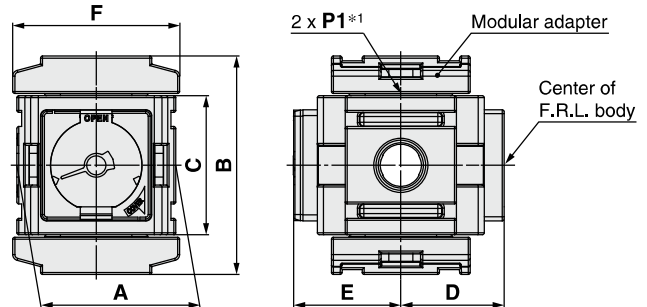
- Pipe threads are not provided on the face which connects with the other components. For use, a separate spacer (or spacer with bracket) is required.
- The backflow of oil may occur when a spacer is used on the inlet side of the lubricator. Attach a check valve between the lubricator and

Dimensions

Top/bottom spacer mounting direction:
Front to back mounting



Top/bottom spacer mounting direction:
Left to right mounting

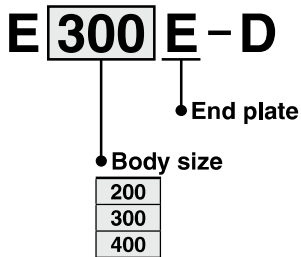


Model	Standard specifications					Optional specifications		Semi-standard specifications	Applicable AC size
	P1*1	A	B	C	D	Without pressure gauge	Square embedded type pressure gauge	Spacer Left to right mounting	
Y24M-D	1/4	40	55	35	26	26	27	42	AC20-D
Y34M-D	3/8	53	63	43	31.5	31.5	32.5	53	AC30-D
Y44M-D	1/2	70	77	51	40.5	40.5	41.5	71	AC40-D

*1 By removing the modular adapter, the female threads on the top and bottom surfaces can be used as piping ports for air release.

End Plate

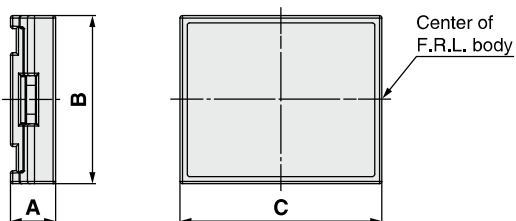
· For blocking the unused piping ports on sides without a modular connection



Standard Specifications

Fluid	Air
Ambient and fluid temperatures	-5 to 60°C (No freezing)
Proof pressure	1.5 MPa
Max. operating pressure	1.0 MPa

Dimensions



Model	A	B	C	Applicable AC size
E200E-D	9.4	35	42	AC20-D
E300E-D	9.4	43	53	AC30-D
E400E-D	12.4	51	71	AC40-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

AC

AF + AR + AL

AW + AL

AF + AR

AF + AR

AF + AFM + AR

AW + AFM

Attachments

AF

AFM / AFD

AR

AL

AW