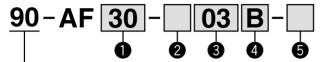
Air Filter

90-AF30 to 90-AF60



How to Order



- Option/Semi-standard: Select one each for a to c.
- Option/Semi-standard symbol: When more than one specification is required, indicate in alphanumeric order.

Example) 90-AF30-N03B-RZ

- Series compatible with secondary batteries
- 90 Material restriction

		_						D	
	Symbol				Description	Body size			
						30	40	50	60
				Nil	Rc	•	•	•	•
2		Th	read type	N	NPT	•	•	•	•
				F	G	•	•	•	•
				+			•	•	
	0			02	1/4	•	•	_	_
				03	3/8	•	•	_	_
3		Port size		04	1/2	_	•	_	_
	06 10			06	3/4	_	•	•	_
				10	1	_	_	•	•
				+					
	Option			Nil	Without mounting option	•	•	•	•
U	opt	a	Mounting	B Note 1)	With bracket	•	•	•	•
				+					
	ard	b	Flow direction	Nil	Flow direction: Left to right	•	•	•	•
	ndŝ	D	I low direction	R	Flow direction: Right to left	•	•	•	•
6	Semi-standard	-		+					
	-im		Pressure unit	Nil	Name plate and caution plate for bowl in imperial units: MPa	•	•	•	•
	Se	С	Fressule unit	Z Note 2)	Name plate and caution plate for bowl in imperial units: psi, °F	Note 2)	ONote 2)	ONote 2)	ONote 2)

Note 1) A bracket is not assembled and supplied loose at the time of shipment. Including 2 mounting screws.

Note 2) O: For thread type: NPT. This product is for overseas use only according to the new Measurement Law.

(The SI unit type is provided for use in Japan.)

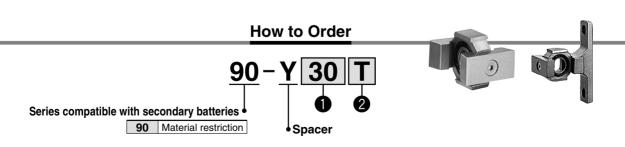
*Specifications and dimensions for the 90-series are the same as standard products.

Bracket Part No.

	Model											
90-AF30	90-AF40	90-AF40-06	90-AF50	90-AF60								
90-AF30P-050AS	90-AF40P-050AS	90-AF40P-070AS	90-AF50P-050AS	90-AF50P-050AS								

Note) Assembly of a bracket and 2 mounting screws.

90-AC Series Accessories: Spacer/Bracket



Symbo			Description	Body size				
					40	50 Note)	60	
1 tion	Mounting	Nil	Without mounting option	•	•	•	•	
itdO a	Mounting	Т	With bracket	•	•	•	•	

Note) Applicable to 90-AF40-06, 90-AFM40-06 and 90-AFD-40-06

^{*}Specifications and dimensions for the 90-series are the same as standard products.

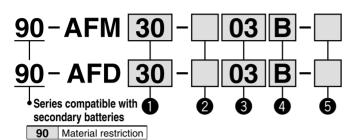


Mist Separator

90-AFM30/90-AFM40 **Micro Mist Separator**

- 90-AFD30/90-AFD40
- 90-AFM Series Nominal filtration rating: 0.3 μm • 90-AFD Series Nominal filtration rating: 0.01 μm

How to Order



- Option/Semi-standard: Select one each for a to c.
- Option/Semi-standard symbol: When more than one specification is required, indicate in alphanumeric order. Example) 90-AFM30-N03B-RZ

							0
				Symbol	Description	Bod	ly size
						30	40
				Nil	Rc	•	•
2		Thread type			NPT	•	•
				F	G	•	•
				+			
				02	1/4	•	•
8		Port size		03	3/8	•	•
9			-ort size	04	1/2	_	•
				06	3/4	_	•
				+			
4	Option	а	Mounting	Nil	Without mounting option	•	•
•	Op	а	Mounting	B Note 1)	With bracket	•	•
				+			
	ard	b	Flow direction	Nil	Flow direction: Left to right	•	•
	nds	U	r low direction	R	Flow direction: Right to left	•	
6	Semi-standard			+			
	Ë		Pressure unit	Nil	Name plate and caution plate for bowl in imperial units: MPa	•	•
	Se	Б C	Fressure utill	Z Note 2)	Name plate and caution plate for bowl in imperial units: psi, °F	Note 2)	Note 2)

Note 1) A bracket is not assembled and supplied loose at the time of shipment. Including 2 mounting screws.

Note 2) O: For thread type: NPT. This product is for overseas use only according to the new Measurement Law. (The SI unit type is provided for use in Japan.)

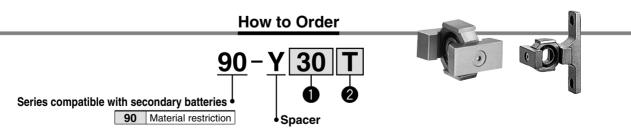
Bracket Part No.

Model								
90-AFM30 90-AFD30	90-AFM40 90-AFD40	90-AFM40-06 90-AFD40-06						
90-AF30P-050AS	90-AF40P-050AS	90-AF40P-070AS						

Note) Assembly of a bracket and 2 mounting screws

*Specifications and dimensions for the 90-series are the same as standard products.

AC Series Accessories: Spacer/Bracket



Symbol	Description	Body size				
		30	40	50 Note)	60	
2 gid a Mounting Nil T	Without mounting option	•	•	•	•	
a Mounting T	With bracket		•	•	•	



^{*}Specifications and dimensions for the 90-series are the same as standard products.



Regulator

90-AR30/90-AR40

Regulator with Backflow Function

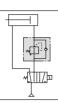
90-AR25K to 90-AR60K

• With the backflow function it incorporates a mechanism to exhaust the air pressure in the outlet side reliably and quickly.



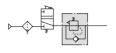
Example 1) When the pressure in the rear and the front of the cylinder differs:

90 Material restriction

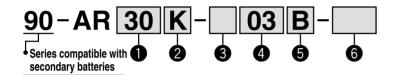


Example 2)

When the air supply is cut off and releasing the inlet pressure to the atmosphere, the residual pressure release of the outlet side can be ensured for a safety purpose.



How to Order



- Option/Semi-standard: Select one each for a to e.
- Option/Semi-standard symbol: When more than one specification is required, indicate in alphanumeric order.

Example) 90-AR30K-03B-1NR

_						_				
		_						0		
		_		Symbol	Description	Body size				
						25	30	40	50	60
6		Wi	th backflow	Nil	Without backflow function	—	•	•	_	_
function			function	K	With backflow function		•	•	•	•
				+						
				Nil	Rc		•	•		
3)	TI	hread type	N	NPT	•	•	•	•	•
				F	G		•	•	•	•
				+						
				02	1/4		•	•	_	_
				03	3/8		•	•	_	_
4)	Port size		04	1/2		_		_	_
					3/4		_	_	•	_
				10	1		_	_		
				+						
_	Note 1)			Nil	Without mounting option		•	•	•	
6	Option	{ a	Mounting	B Note 2)	With bracket		•	•	•	•
	ŏ			Н	With set nut (for panel fitting)				_	_
				+						
		b	Set pressure	Nil	0.05 to 0.85 MPa setting		•	•	•	
		D	Set pressure	1 Note 3)	0.02 to 0.2 MPa setting					
				+						
	ard	С	Exhaust	Nil	Relieving type		•	•	•	
_	l bu		mechanism	N	Non-relieving type					
6	Semi-standard			+						
	'Ė	d	Flow direction	Nil	Flow direction: Left to right		•	•	•	•
	Se	u	1 low direction	R	Flow direction: Right to left					
				+						
		е	Pressure unit	Nil	Name plate and pressure gauge in imperial units: MPa	•	•	•	•	
		_	1 1033urc uriit	Z Note 4)	Name plate and pressure gauge in imperial units: psi	Note 4)	Note 4)	Note 4)	ONote 4)	ONote 4)

Note 1) Option B, H are not assembled and supplied loose at the time of shipment.

Note 2) Assembly of a bracket and set nuts (90-AR30 and 90-AR40, 90-AR25(K) to 90-AR40(K)) Including 2 mounting screws for the 90-AR50(K) and 90-AR60(K).

Note 3) The only difference from the standard specifications is the adjusting spring for the regulator. It does not restrict the setting of 0.2 MPa or more.

Note 4) O: For thread type: NPT. This product is for overseas use only according to the new Measurement Law. (The SI unit type is provided for use in Japan.)

*Specifications and dimensions for the 90-series are the same as standard products.

Bracket, Set Nut/Part No.

Model	90-AR25K	90-AR30(K)	90-AR40(K)	90-AR50K	90-AR60K
Bracket assembly Note 1)	90-AR25P-270AS	90-AR30P-270AS	90-AR40P-270AS	90-AR50P-	270AS Note 2)
Set nut	AR25P-260S	AR30P-260S	AR40P-260S	Note 3)	Note 3)

Note 1) Assembly of a bracket and set nuts.

Note 2) Assembly of a bracket and 2 mounting screws.

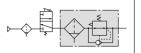
Note 3) Please consult with SMC regarding the set nuts for the 90-AR50(K) and 90-AR60(K)

Filter Regulator with Backflow Function 90-AW30K to 90-AW60K

- Integrated filter and regulator units save space and require less piping.
- With the backflow function it incorporates a mechanism to exhaust the air pressure in the outlet side reliably and quickly.

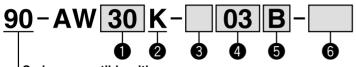
Example)

When the air supply is cut off and releasing the inlet pressure to the atmosphere, the residual pressure release of the outlet side can be ensured for a safety purpose.





How to Order



Series compatible with secondary batteries

90 Material restriction

Option/Semi-standard: Select one each for a to e.
Option/Semi-standard symbol: When more
than one specification is required, indicate in
alphanumeric order.
E

Example) 90-AW30K-03B-1N

	_	_					0		
	Symbo			Symbol	Description	Body size			
						30	40	60	
2	Wit	h ba	ckflow function	K	With backflow function	•	•	•	
				+					
				Nil	Rc	•	•	•	
8		Th	read type	N	NPT	•	•	•	
				F	G	•	•	•	
				+					
				02	1/4	•	•	_	
	0			03	3/8	•	•	_	
4		Port size		04	1/2	_	•	_	
				06	3/4	_	_	•	
			10	1	_	_	•		
	Mate ()			+					
_	Vote 1)	а	Mounting	Nil	Without mounting option	•	•	•	
6	Option			B Note 2)	With bracket	•	•	•	
	ō			Н	With set nut (for panel fitting)	•	•	_	
				+					
		b	Set pressure	Nil	0.05 to 0.85 MPa setting	•	•	•	
		D	Oct pressure	1 Note 3)	0.02 to 0.2 MPa setting	•	•		
				+					
	ard	С	Exhaust	Nil	Relieving type	•	•	•	
	Semi-standard	C	mechanism	N	Non-relieving type	•	•		
6	sta			+					
	<u> </u>	d	Flow direction	Nil	Flow direction: Left to right	•	•	•	
	Se	u	riow direction	R	Flow direction: Right to left	•	•	•	
				+					
			Pressure unit	Nil	Name plate, caution plate for bowl, and pressure gauge in imperial units: MPa	•	•	•	
		е	Fiessure unit	Z Note 4)	Name plate, caution plate for bowl, and pressure gauge in imperial units: psi, °F	Note 4)	Note 4)	Note 4)	
Noto:	1\ \	otion	B U are not assemb	lad and au	onlied loose at the time of shipment				

Note 1) Option B, H are not assembled and supplied loose at the time of shipment.

Note 2) Assembly of a bracket and set nuts. (90-AW30(K) and 90-AW40(K)) including 2 mounting screws for the 90-AW60(K).

Note 3) The only difference from the standard specifications is the adjusting spring for the regulator. It does not restrict the setting of 0.2 MPa or more.

Note 4) O: For thread type: NPT. This product is for overseas use only according to the new Measurement Law. (The SI unit type is provided for use in Japan.)

*Specifications and dimensions for the 90-series are the same as standard products.

Bracket. Set Nut/Part No.

Ontional analifications		Model	
Optional specifications	90-AW30K	90-AW40K	90-AW60K
Bracket assembly Note 1)	90-AR30P-270AS	90-AR40P-270AS	90-AW60P-270AS Note 2)
Set nut	AR30P-260S	AR40P-260S	Note 3)

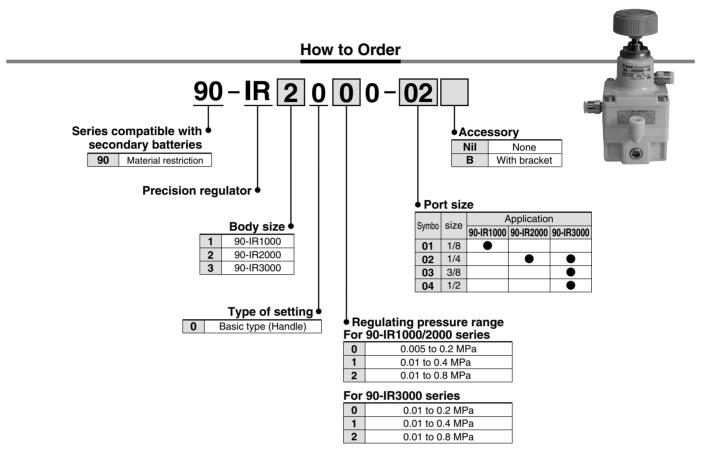
Note 1) Assembly of a bracket and set nuts.

Note 2) Assembly of a bracket and 2 mounting screws.

Note 3) Please consult with SMC regarding the set nuts for the 90-AW60(K).



Precision Regulator 90-IR1000/2000/3000 Series



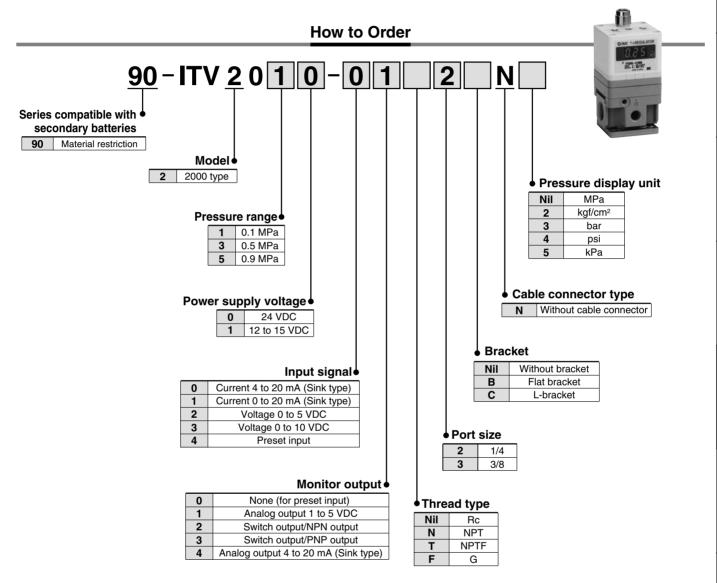
^{*}Specifications and dimensions for the 90-series are the same as standard products.

Bracket Part No.

	Part no.										
90-IR1000	90-IR1010	90-IR1020	90-IR2000	90-IR2010	90-IR2020	90-IR3000	90-IR3010	90-IR3020			
	INI-362-0-320			INI-362-0-321			INI-362-0-322				

Electro-Pneumatic Regulator

90-ITV2000 Series



Bracket Part No.

Description	Part No.
	90-ITV20□□
Flat bracket	P39802043 (Mounting thread is not included.)
L-bracket	P39802044 (Mounting thread is not included.)

^{*}Specifications and dimensions for the 90-series are the same as standard products.