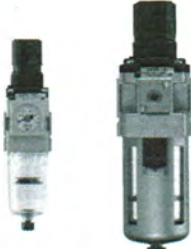
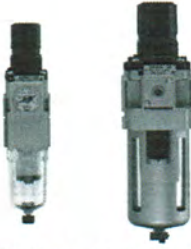


Modular Type Filter Regulators *Series AW*

Filter Regulator Series AW	Model	Port size	Options
 Pages 366 through to 377	AW10	M5 x 0.8	
	AW20	1/8, 1/4	
	AW30	1/4, 3/8	
	AW40	1/4, 3/8, 1/2	
	AW40-06	3/4	
	AW60	3/4, 1	
Filter Regulator with Backflow Function Series AW□K  Pages 366 through to 377	AW20K	1/8, 1/4	Bracket Float type auto drain Square embedded type pressure gauge (except the AW10) Round type pressure gauge Digital pressure switch (except the AW10) Panel mount
	AW30K	1/4, 3/8	
	AW40K	1/4, 3/8, 1/2	
	AW40K-06	3/4	
	AW60K	3/4, 1	
Mist Separator Regulator Series AWM  Pages 378 through to 387	AWM20	1/8, 1/4	
	AWM30	1/4, 3/8	
	AWM40	1/4, 3/8, 1/2	
Micro Mist Separator Regulator Series AWD  Pages 378 through to 387	AWD20	1/8, 1/4	
	AWD30	1/4, 3/8	
	AWD40	1/4, 3/8, 1/2	

AC

AF□

AR

AL

AW□

A□G

AV

AF800
AF900

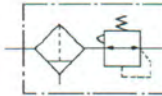
Filter Regulator

AW10 to AW60

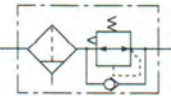
Filter Regulator with Backflow Function

AW20K to AW60K

JIS Symbol
Filter Regulator



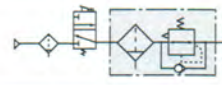
Filter Regulator with
Backflow Function



- 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

AW **30** **K** - **03** **BE** - **1N**

① ② ③ ④ ⑤ ⑥

• Made to Order

Refer to pages 374 through to 377 for details.

- Option/Semi-standard: Select one each for a to i.
- Option/Semi-standard symbol: When more than one specification is required, indicate in alphanumeric order.
Example) AW30K-03BE-1N

		Symbol	Description	①						
				Body size						
				10	20	30	40	60		
②	With backflow function	Nil	Without backflow function	●	●	●	●	●		
		K Note 1)	With backflow function	—	●	●	●	●		
+										
③	Thread type	Nil	Metric thread (M5)	●	—	—	—	—		
		N Note 2)	Rc	—	●	●	●	●		
		F Note 3)	NPT	—	●	●	●	●		
		F Note 3)	G	—	●	●	●	●		
+										
④	Port size	M5	M5	●	—	—	—	—		
		01	1/8	—	●	—	—	—		
		02	1/4	—	●	●	—	—		
		03	3/8	—	—	●	—	—		
		04	1/2	—	—	—	●	—		
		06	3/4	—	—	—	●	●		
		10	1	—	—	—	—	●		
+										
⑤	a	Mounting	Nil	Without mounting option	●	●	●	●	●	
			B Note 5)	With bracket	●	●	●	●	●	
			H	With set nut (for panel fitting)	●	●	●	●	—	
	+									
	b	Float type auto drain	Nil	Without auto drain	●	●	●	●	●	
			C	Float type auto drain (N.C.)	●	●	●	●	●	
			D	Float type auto drain (N.O.)	—	—	●	●	●	
	+									
	c	Pressure gauge	Nil	Without pressure gauge	●	●	●	●	●	
			E	Square embedded type pressure gauge (with limit indicator)	—	●	●	●	●	
			G	Round type pressure gauge (without limit indicator)	●	—	—	—	—	
			M	Round type pressure gauge (with limit indicator)	—	●	●	●	●	
		Digital pressure switch	E1 Note 6)	Output: NPN output / Electrical entry: Wiring bottom entry	—	●	●	●	●	●
			E2 Note 6)	Output: NPN output / Electrical entry: Wiring top entry	—	●	●	●	●	●
			E3 Note 6)	Output: PNP output / Electrical entry: Wiring bottom entry	—	●	●	●	●	●
			E4 Note 6)	Output: PNP output / Electrical entry: Wiring top entry	—	●	●	●	●	●
+										
⑥	d	Set pressure	Nil Note 7)	0.05 to 0.85 MPa setting	●	●	●	●	●	
			1 Note 8)	0.02 to 0.2 MPa setting	●	●	●	●	●	
	+									
	e	Bowl Note 9)	Nil	Polycarbonate bowl	●	●	●	●	●	
			2	Metal bowl	●	●	●	●	●	
			6	Nylon bowl	●	●	●	●	●	
			8	Metal bowl with level gauge	—	—	●	●	—	
			C	With bowl guard	—	●	—	—	—	
			6C	Nylon bowl with bowl guard	—	●	—	—	—	

Filter Regulator *Series AW10 to AW60*

Filter Regulator with Backflow Function *Series AW20K to AW60K*



AW20, AW20K AW40, AW40K

		Symbol	Description	①					
				Body size					
				10	20	30	40	60	
⑥	f	Drain port ^{Note 10)}	Nil	With drain cock	●	●	●	●	●
			J ^{Note 11)}	Drain guide 1/8	—	●	—	—	—
				Drain guide 1/4	—	—	●	●	●
			W ^{Note 12)}	Drain cock with barb fitting: For ø6 x ø4 nylon tube	—	—	●	●	●
	+								
	g	Exhaust mechanism	Nil	Relieving type	●	●	●	●	●
			N	Non-relieving type	●	●	●	●	●
	+								
	h	Flow direction	Nil	Flow direction: Left to right	●	●	●	●	●
			R	Flow direction: Right to left	●	●	●	●	●
+									
i	Pressure unit	Nil	Name plate, caution plate for bowl, and pressure gauge in imperial units: MPa	●	●	●	●	●	
		Z ^{Note 13)}	Name plate, caution plate for bowl, and pressure gauge in imperial units: psi, °F	○ ^{Note 15)}	○ ^{Note 15)}	○ ^{Note 15)}	○ ^{Note 15)}	○ ^{Note 15)}	
		ZA ^{Note 14)}	Digital pressure switch: With unit conversion function	—	△ ^{Note 16)}	△ ^{Note 16)}	△ ^{Note 16)}	△ ^{Note 16)}	

Note 1) The AW10 type comes with a backflow function as a standard feature. (K is not available.) When using the AW10 type as w/ backflow function, backflow may not occur with the set pressure 0.15 MPa or less. Please set the inlet pressure to at least 0.05 MPa higher than the set pressure.

Note 2) Drain guide is NPT 1/8 (applicable to the AW20(K)) and NPT 1/4 (applicable to the AW30(K) to AW60(K)). The auto drain port comes with ø3/8" one-touch fitting (applicable to the AW30(K) to AW60(K)).

Note 3) Drain guide is G 1/8 (applicable to the AW20(K)) and G 1/4 (applicable to the AW30(K) to AW60(K)).

Note 4) Option B, G, H, M are not assembled and supplied loose at the time of shipment.

Note 5) Assembly of a bracket and set nuts (AW10,

AW20(K) to AW40(K))

Note 6) Including 2 mounting screws for the AW60(K) When choosing with H (panel mount), the installation space for lead wires will not be secured. In this case, select "wiring top entry" for the electrical entry.

Note 7) Only the AW10 has a pressure setting of 0.05 to 0.7 MPa.

Note 8) 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. When the pressure gauge is attached, a 0.2 MPa pressure gauge will be fitted.

Note 9) Refer to Chemical Data on page 287 when selecting a case material.

Note 10) Float type auto drain: The combination of C and

D is not possible.

Note 11) Without a valve function

Note 12) Metal bowl: The combination of 2 and 8 is not possible.

Note 13) For thread type: M5 and NPT. This product is for overseas use only according to the new Measurement Law. (The SI unit type is provided for use in Japan.) The digital pressure switch will be equipped with the unit conversion function, setting to psi initially.

Note 14) For options: E1, E2, E3, E4. This product is for overseas use only according to the new Measurement Law. (The SI unit is provided for use in Japan.)

Note 15) ○: For thread type: M5 and NPT only

Note 16) △: Select with options: E1, E2, E3, E4.

Standard Specifications

Model	AW10	AW20(K)	AW30(K)	AW40(K)	AW40(K)-06	AW60(K)
Port size	M5 x 0.8	1/8, 1/4	1/4, 3/8	1/4, 3/8, 1/2	3/4	3/4, 1
Pressure gauge port size ^{Note 1)}	1/16 ^{Note 2)}	1/8		1/4		
Fluid	Air					
Ambient and fluid temperature ^{Note 3)}	-5 to 60°C (with no freezing)					
Proof pressure	1.5 MPa					
Maximum operating pressure	1.0 MPa					
Set pressure range	0.05 to 0.7 MPa	0.05 to 0.85 MPa				
Relief pressure ^{Note 4)}	Set pressure + 0.05 MPa [at relief flow rate of 0.1 ℓ/min (ANR)]					
Nominal filtration rating	5 μm					
Drain capacity (cm ³)	2.5	8	25	45	45	45
Bowl material	Polycarbonate					
Bowl guard	—	Semi-standard	Standard			
Construction	Relieving type					
Mass (kg)	0.09	0.32	0.40	0.72	0.75	2.00

Note 1) Pressure gauge connection threads are not available for F.R.L. unit with a square embedded type pressure gauge (AW20(K) to AW60(K)).

Note 2) Use a bushing (part no:131368) when connecting the R1/8 pressure gauge to the Rc 1/16.

Note 3) -5 to 50°C for the products with the digital pressure switch

Note 4) Not applicable to the AW10.



Series AW10 to AW60 Series AW20K to AW60K Specific Product Precautions

Be sure to read before handling. Refer to front matters 42 and 43 for Safety Instructions and pages 287 to 291 for F.R.L. Precautions.

Selection

Warning

1. Residual pressure disposal (outlet pressure removal) is not possible for the AW20 to AW60 even though the inlet pressure is exhausted. When the residual pressure disposal is performed, use the filter regulator with backflow function (AW20K to AW60K).

Maintenance

Warning

1. Replace the element every 2 years or when the pressure drop becomes 0.1 MPa, whichever comes first, to prevent damage to the element.

Mounting and Adjustment

Warning

1. Set the regulator while verifying the displayed values of the inlet and outlet pressure gauges. Turning the regulator knob excessively can cause damage to the internal parts.
2. The pressure gauge included with regulators for 0.02 to 0.2 MPa setting is for up to 0.2 MPa use only (except the AW10). Exceeding 0.2 MPa of pressure can damage the gauge.
3. Do not use tools on the pressure regulator knob as this may cause damage. It must be operated manually.

Caution

1. Be sure to unlock the knob before adjusting the pressure and lock it after setting the pressure. Failure to follow this procedure can cause damage to the knob and the outlet pressure may fluctuate.
 - Pull the pressure regulator knob to unlock. (You can visually verify this with the "orange mark" that appears in the gap.)
 - Push the pressure regulator knob to lock. When the knob is not easily locked, turn it left and right a little and then push it (when the knob is locked, the "orange mark", i.e., the gap will disappear).



2. A knob cover is available to prevent careless operation of the knob. Refer to page 389 for details.

AC

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AR

AL

AW□

A□G

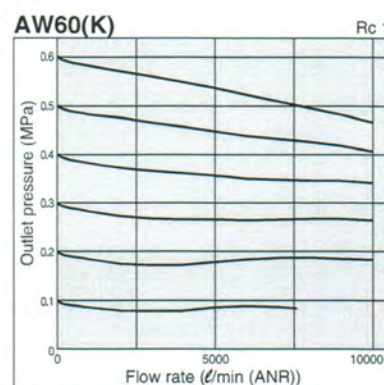
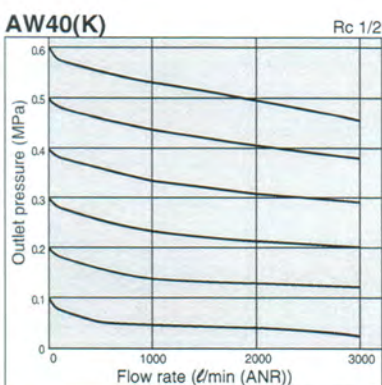
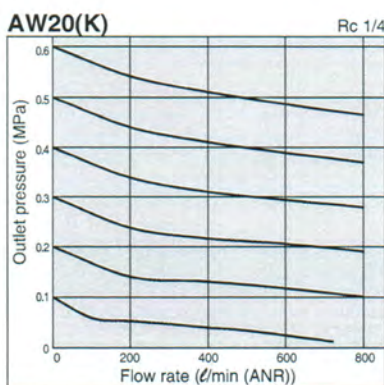
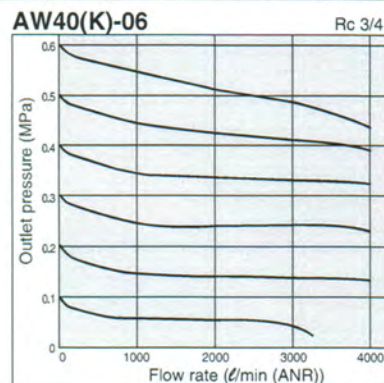
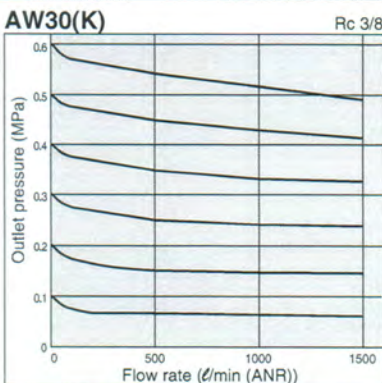
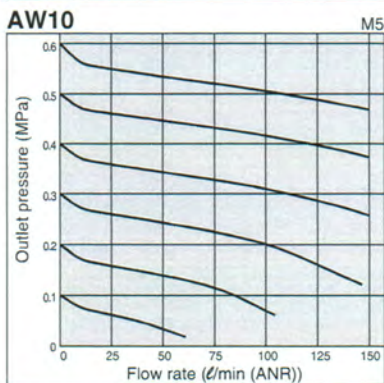
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Series AW10 to AW60 Series AW20K to AW60K

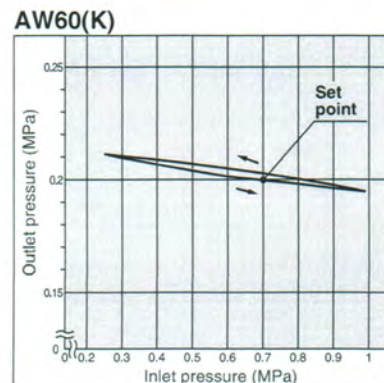
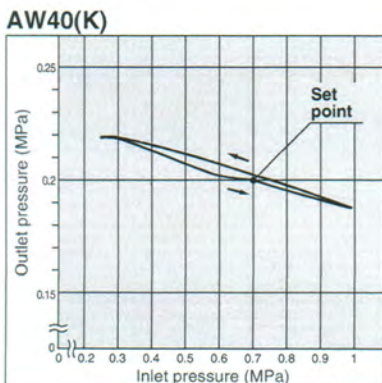
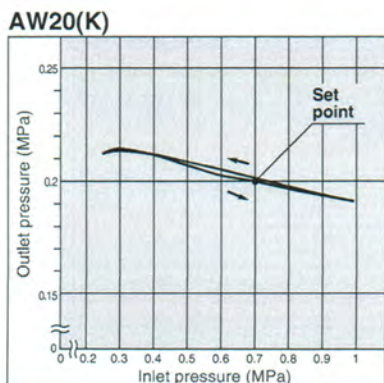
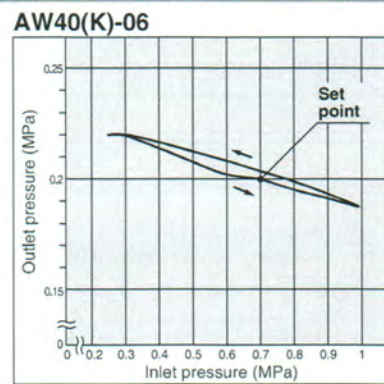
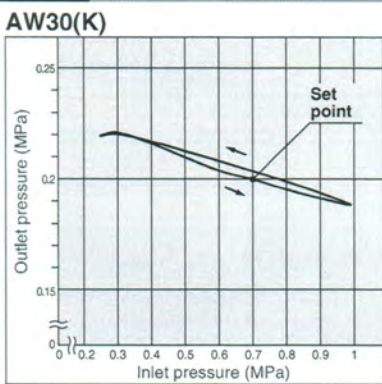
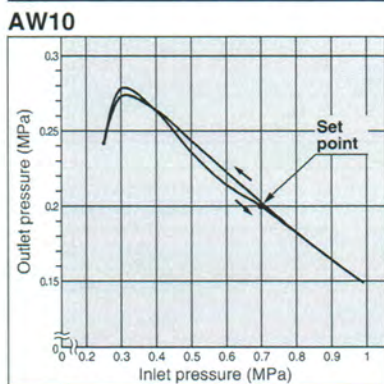
Flow Characteristics (Representative values)

Condition: Inlet pressure 0.7 MPa



Pressure Characteristics (Representative values)

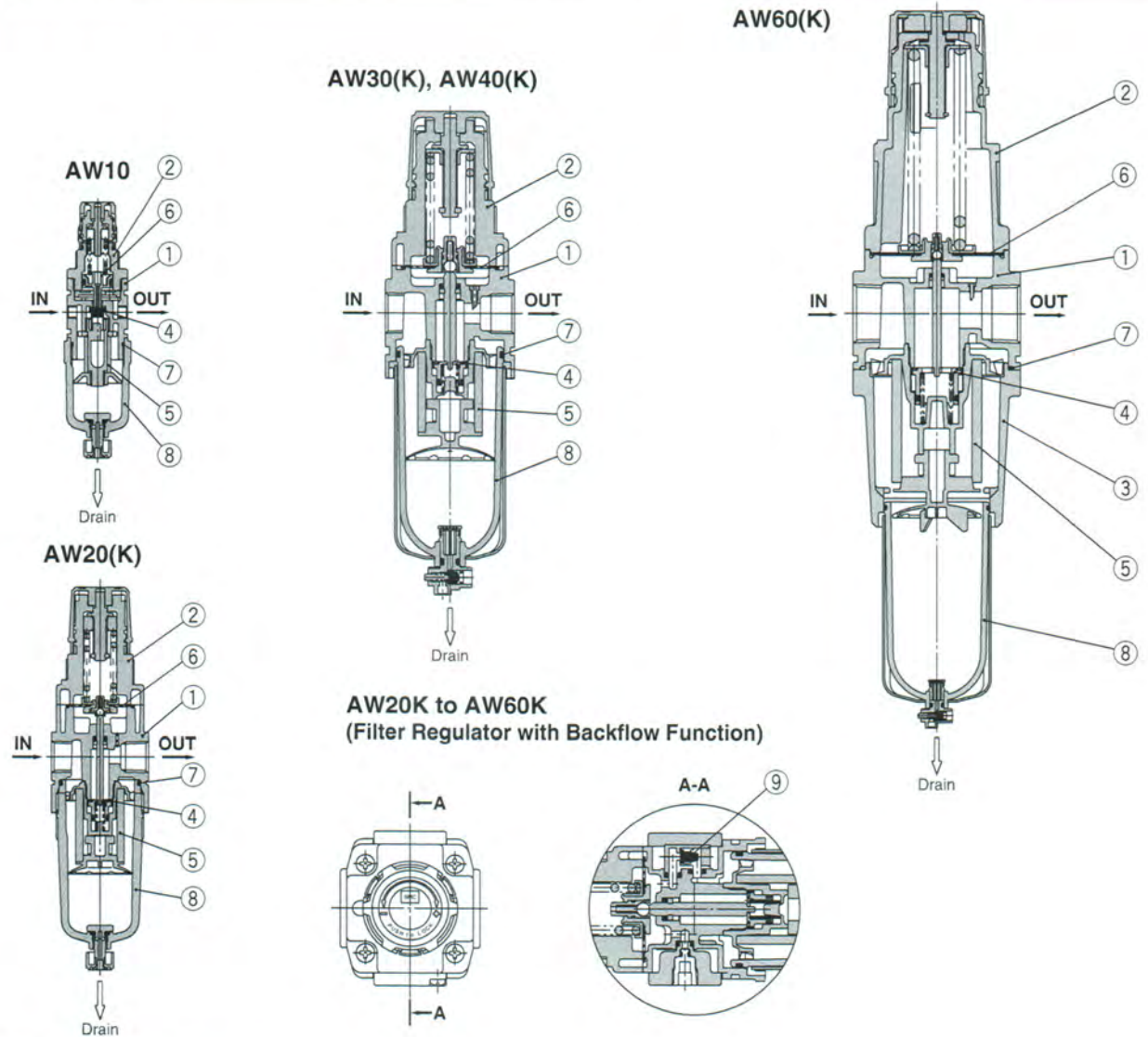
Conditions: Inlet pressure 0.7 MPa, Outlet pressure 0.2 MPa, Flow rate 20 ℓ/min (ANR)



Filter Regulator *Series AW10 to AW60*

Filter Regulator with Backflow Function *Series AW20K to AW60K*

Construction



Component Parts

No.	Description	Material	Model	Color
1	Body	Zinc die-cast	AW10, AW20	Platinum silver
		Aluminum die-cast	AW30 to AW60	
2	Bonnet	Polyacetal	AW10 to AW40	Black
		Aluminum die-cast	AW60	
3	Housing	Aluminum die-cast	AW60	Platinum silver

Replacement Parts

No.	Description	Material	Part no.					
			AW10	AW20(K)	AW30(K)	AW40(K)	AR40(K)-06	AW60(K)
4	Valve assembly	Brass, HNBR	AR10P-090S	AW20P-340AS	AW30P-340AS	AW40P-340AS		AW60P-090AS
5	Filter element	Non-woven fabric	AF10P-060S	AF20P-060S	AF30P-060S	AF40P-060S		AW60P-060S
6	Diaphragm assembly	Weatherable NBR	AR10P-150AS ^{Note 1)}	AR20P-150AS	AR30P-150AS	AR40P-150AS		AR50P-150AS
7	Bowl O-ring	NBR	C1SFP-260S	C2SFP-260S	C3SFP-260S	C4SFP-260S		
8	Bowl assembly ^{Note 2)}	Polycarbonate	C1SF	C2SF	C3SF ^{Note 3)}	C4SF ^{Note 3)}		
9	Check valve assembly ^{Note 4)}	—	—	AR20KP-020AS				

Note 1) The AW10 is a piston type. Assembly of a piston and a seal (KSYP-13).

Note 2) Bowl O-ring is included for the AW20(K) to AW60(K). Please contact SMC regarding the bowl assembly supply for psi and °F unit specifications.

Note 3) Bowl assembly for the AW30(K) to AW60(K) models comes with a bowl guard (steel band material).

Note 4) Check valve assembly is applicable for a filter regulator with backflow function (AW20K to AW60K) only.

Assembly of a check valve cover, check valve body assembly and 2 screws

Series AW10 to AW60

Series AW20K to AW60K

Working Principle (Filter Regulator with Backflow Function)

AW10



When the inlet pressure is higher than the regulating pressure, the check valve operates as a normal regulator (Figure 1).
 When the inlet pressure is shut off and exhausted, any inlet pressure applied to the valve ① will be lost. The force for seating the valve ① is the valve spring force ② only. When the valve ① is opened using the outlet force, the outlet pressure will be exhausted at the inlet side. (Figure 2)
 When the set pressure is 0.15 MPa or less, valve ① may not open due to the valve spring ② force.

AW20K to AW60K

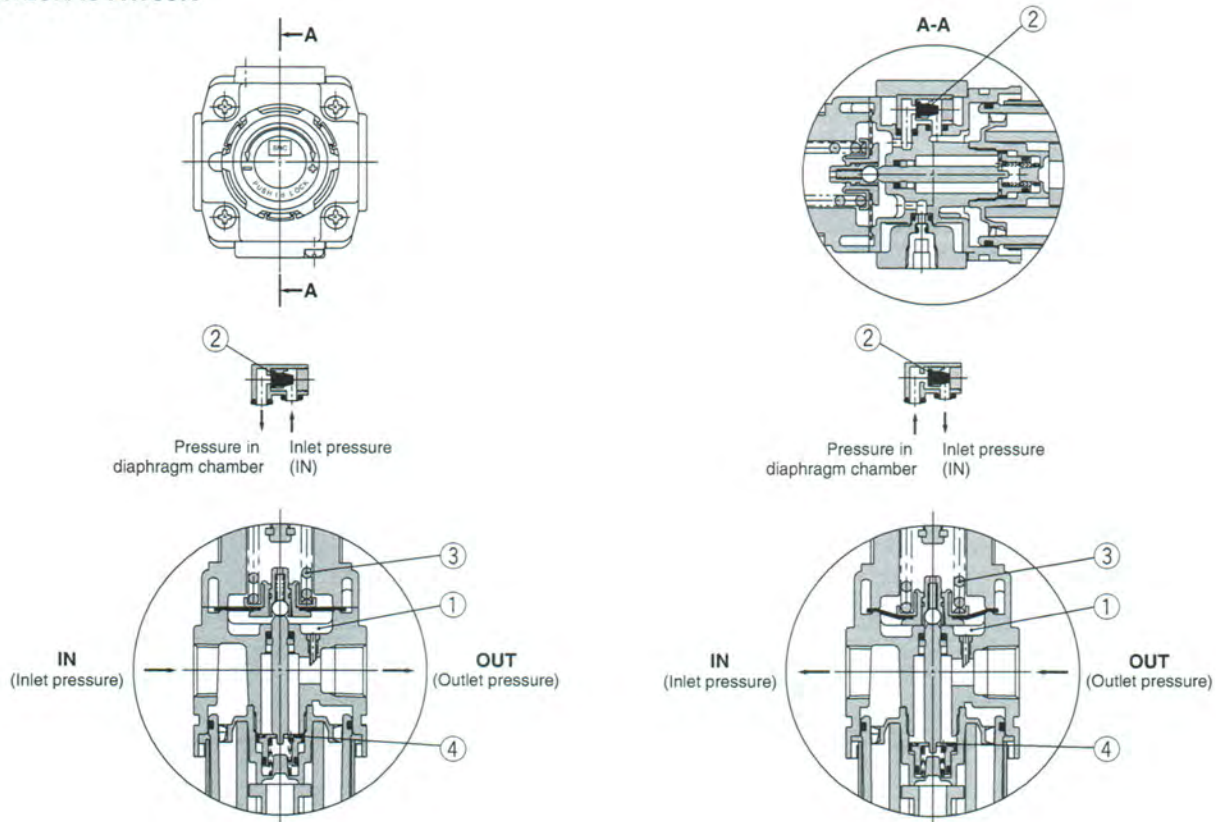


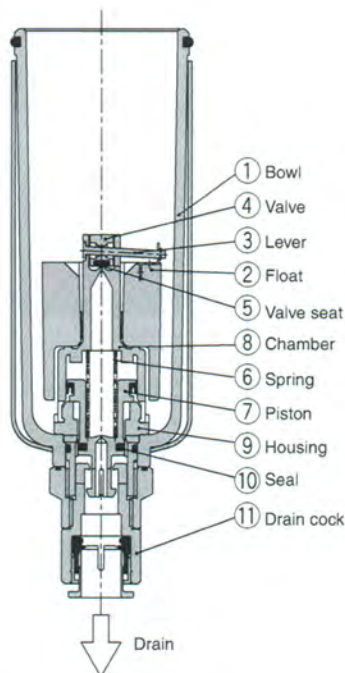
Figure 1 Normal

Figure 2 Backflow

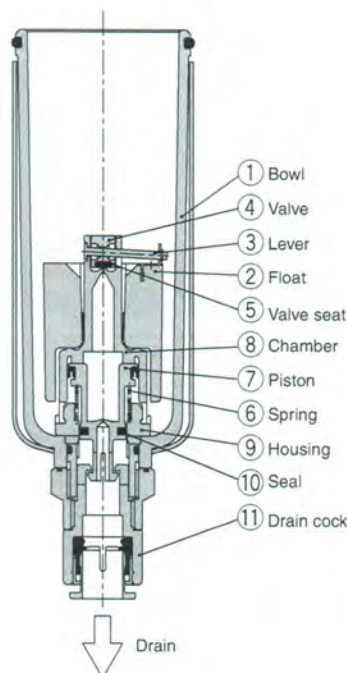
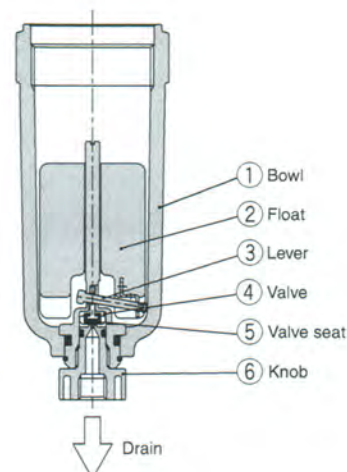
When the inlet pressure is higher than the regulating pressure, the check valve ② closes and operates as a normal regulator (Figure 1).
 When the inlet pressure is shut off and released, the check valve ② opens and the pressure in the diaphragm chamber ① is released into the inlet side (Figure 2).
 This lowers the pressure in the diaphragm chamber ① and the force generated by the pressure regulator spring ③ lifts the diaphragm. Valve ④ opens through the stem, and the outlet pressure is released to the inlet side (Figure 2).

Working Principle: Float Type Auto Drain

N.O. type: AD38, AD48



N.C. type: AD37, AD47


Compact auto drain
N.C. type: AD17, AD27


• When pressure inside the bowl is released:

When pressure is released from the bowl ①, piston ⑦ is lowered by spring ⑥.

The sealing action of seal ⑩ is interrupted, and the outside air flows inside the bowl ① through housing hole ⑨ and drain cock ⑪.

Therefore, if there is an accumulation of condensate in the bowl ①, it will drain out through the drain cock.

• When pressure is applied inside the bowl:

When pressure exceeds 0.1 MPa, the force of piston ⑦ surpasses the force of spring ⑥, and the piston goes up.

This pushes seal ⑩ up so that it creates a seal, and the inside of the bowl ①, is shut off from the outside air.

If there is no accumulation of condensate in the bowl ① at this time, float ② will be pulled down by its own weight, causing valve ④, which is connected to lever ③, to seal valve seat ⑤.

• When there is an accumulation of condensate in the bowl:

Float ② rises due to its own buoyancy and pushes open the seal created by the valve seat ⑤.

This allows the pressure inside the bowl ① to enter the chamber ⑧. The result is that the combined pressure inside chamber ⑧ and the force of the spring ⑥ lowers the piston ⑦.

This causes the sealing action of seal ⑩ to be interrupted, and the accumulated condensate in the bowl ① drains out through the drain cock ⑪. Turning drain cock ⑪ manually counterclockwise lowers piston ⑦, which pushes open the seal created by seal ⑩, thus allowing the condensate to drain out.

• When pressure inside the bowl is released:

Even when pressure inside the bowl ① is released, spring ⑥ keeps piston ⑦ in its upward position.

This keeps the seal created by the seal ⑩ in place; thus, the inside of the bowl ① is shut off from the outside air.

Therefore, even if there is an accumulation of condensate in the bowl ①, it will not drain out.

• When pressure is applied inside the bowl:

Even when pressure is applied inside the bowl ①, the combined force of spring ⑥ and the pressure inside the bowl ① keeps piston ⑦ in its upward position.

This maintains the seal created by the seal ⑩ in place; thus, the inside of the bowl ① is shut off from the outside air.

If there is no accumulation of condensate in the bowl ① at this time float ② will be pulled down by its own weight, causing valve ④, which is connected to lever ③, to seal valve seat ⑤.

• When there is an accumulation of condensate in the bowl:

Float ② rises due to its own buoyancy and pushes open the seal created by the valve seat ⑤. Pressure passes from the bowl ① to chamber ⑧.

The result is that the pressure inside chamber ⑧ surpasses the force of the spring ⑥ and pushes piston ⑦ downwards.

This causes the sealing action of seal ⑩ to be interrupted and the accumulated condensate in the bowl ① drains out through the drain cock ⑪. Turning drain cock ⑪ manually counterclockwise lowers piston ⑦, which pushes open the seal created by seal ⑩, thus allowing the condensate to drain out.

• When pressure inside the bowl is released:

Even when pressure inside the bowl ① is released, the weight of the float ② causes valve ④, which is connected to lever ③, to seal valve seat ⑤. As a result, the inside of the bowl ① is shut off from the outside air.

Therefore, even if there is an accumulation of condensate in the bowl ①, it will not drain out.

• When pressure is applied inside the bowl:

Even when pressure is applied inside the bowl ①, the weight of the float ② and the differential pressure that is applied to valve ④ cause valve ④ to seal valve seat ⑤, and the outside air is shut off from the inside of the bowl ①.

• When the drain is accumulated in the bowl:

Float ② rises due to its own buoyancy and the seal at valve seat ⑤ is interrupted.

The condensate inside the bowl ① drains out through the knob ⑥.

Turning knob ⑥ manually counterclockwise lowers it and causes the sealing action of valve seat ⑤ to be interrupted, which allows the condensate to drain out.

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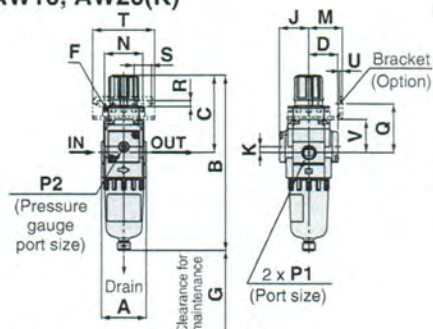
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Filter Regulator *Series AW10 to AW60*

Filter Regulator with Backflow Function *Series AW20K to AW60K*

Dimensions

AW10, AW20(K)



Panel fitting dimension

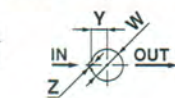
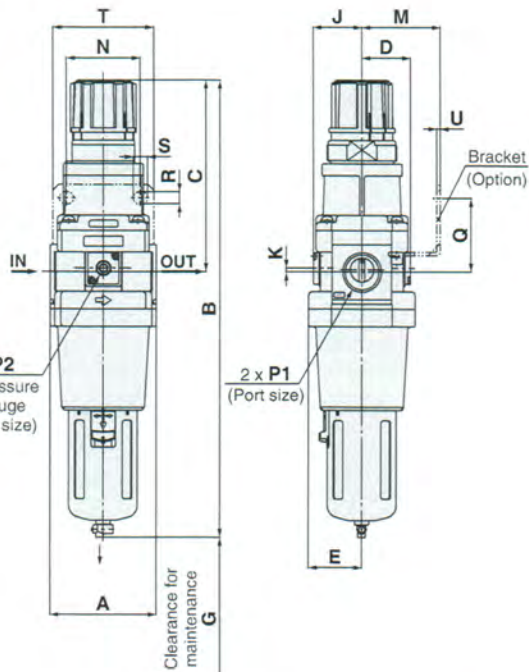
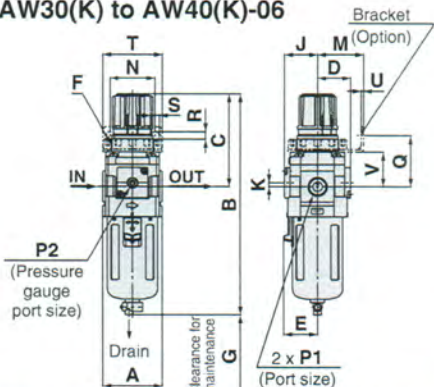


Plate thickness
AW10, AW20(K): Max. 3.5

AW60(K)



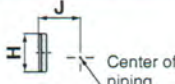
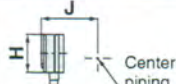
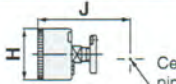
AW30(K) to AW40(K)-06



Panel fitting dimension



Plate thickness
AW30(K): Max. 3.5
AW40(K): Max. 5

Applicable model	AW20(K) to AW60(K)		AW10, AW20(K) to AW60(K)		AW20(K) to AW60(K)	
Option	Square embedded type pressure gauge		Digital pressure switch		Round type pressure gauge	
Dimensions						

Applicable model	AW10, AW20(K)		AW20(K)	AW30(K) to AW60(K)				
Optional/Semi-standard specifications	With auto drain (N.C.)	Metal bowl	With drain guide	With auto drain (N.O./N.C.)	Metal bowl	Metal bowl with level gauge	With drain guide	Drain cock with barb fitting
Dimensions								

Model	Standard specifications											Optional specifications							
												Square type pressure gauge		Digital pressure switch		Round type pressure gauge		Round type pressure gauge (with color zone)	
	P1	P2	A	B (Note)	C	D	E	F	G	J	K	H	J	H	J	H	J		
AW10	M5 x 0.8	1/16	25	108	48	12.5	—	M18 x 1	25	13	0	—	—	—	—	ø26	26	—	—
AW20(K)	1/8, 1/4	1/8	40	160	73	26	—	M28 x 1	40	26	5	□28	27	□27.8	37.5	ø37.5	63	ø37.5	63
AW30(K)	1/4, 3/8	1/8	53	201	86	29.5	30	M38 x 1.5	55	29.5	3.5	□28	30.5	□27.8	41	ø37.5	66	ø37.5	66
AW40(K)	1/4, 3/8, 1/2	1/4	70	239	92	37.5	38	M42 x 1.5	80	37.5	1.5	□28	38.5	□27.8	49	ø42.5	76	ø42.5	76
AW40(K)-06	3/4	1/4	75	242	93	37.5	38	M42 x 1.5	80	37.5	1.2	□28	38.5	□27.8	49	ø42.5	76	ø42.5	76
AW60(K)	3/4, 1	1/4	95	409	175	43.5	47.5	—	20	43.5	3.2	□28	44.5	□27.8	61.5	ø42.5	84	ø42.5	84

Model	Optional specifications											Semi-standard specifications				
	Bracket mount						Panel mount					With auto drain	With barb fitting	With drain guide	Metal bowl	Metal bowl with level gauge
	M	N	Q	R	S	T	U	V	W	Y	Z	B (Note)	B (Note)	B (Note)	B (Note)	B (Note)
AW10	25	28	30	4.5	6.5	40	2	18	18.5	—	—	125	—	—	107	—
AW20(K)	30	34	44	5.4	15.4	55	2.3	30	28.5	14	6	177	—	164	160	—
AW30(K)	41	40	46	6.5	8	53	2.3	31	38.5	19	7	242	209	208	214	234
AW40(K)	50	54	54	8.5	10.5	70	2.3	35.5	42.5	21	7	278	247	246	252	272
AW40(K)-06	50	54	56	8.5	10.5	70	2.3	37	42.5	21	7	282	251	249	255	275
AW60(K)	70	66	66	11	13	90	3.2	—	—	—	—	448	417	416	422	442

Note) The total length of B dimension is the length when the filter regulator knob is unlocked.

How To Order

AW 30 - N 03 D - 8 Z - X48

Filter - Regulator •

Body Size •

Symbol	Size
20	1/8
30	3/8
40	1/2

NPT Threads •

Port Size •

Symbol	Port Size	Applicable Body Size
02	1/4	20
03	3/8	30
04	1/2	40

• With External Epoxy Coating, Stainless Fasteners

• Name Plate, Caution Plate On Bowl in psi, °F

• Bowl

Symbol	Description	Applicable Body Size
2	Metal Bowl	20
8	Metal Bowl With Sight Glass	30, 40

• Accessories

Symbol	Description	Applicable Body Size
Nil	None	All
B*	Mounting Bracket	All
C	Float Auto Drain (N.C.)	30, 40
D	Float Auto Drain (N.O.)	30, 40
H*	Panel Mount Nut	All

Note: Other sizes, thread forms, options, etc. may be possible, please contact SMC for availability.

*Note: Bracket and/or panel mount nut are not assembled and are supplied loose at time of shipment.



Specifications

Body size	20	30	40
Operating specifications	Same as standard - see catalog ES40-42D or NC160A		
Port size	1/4" NPT	3/8" NPT	1/2" NPT
Auto drain port	N/A	1/4" NPT	
Bowl type	Metal	Metal with sight gauge	
Body material	Die cast aluminum		
Bowl material	Die cast aluminum		
Body, Bowl surface treatment	Epoxy resin coating		
Bonnet	Polyacetal		
Manual drain (AF, AW)	POM		
External screws	Stainless steel 410		
Individual mounting brackets	Epoxy coated steel		
Panel mount nut	POM		
Sight glass hardware	Stainless steel 304		

Accessories

Model	Mounting Bracket Kit (Optional)	Panel Mounting Nut (Optional)
AW20	AW20P-270AS-X480	AR20P-260S
AW30	AR30P-270AS-X480	AR30P-260S
AW40	AR40P-270AS-X480	AR40P-260S

Dimensions - Refer to drawings on page 7

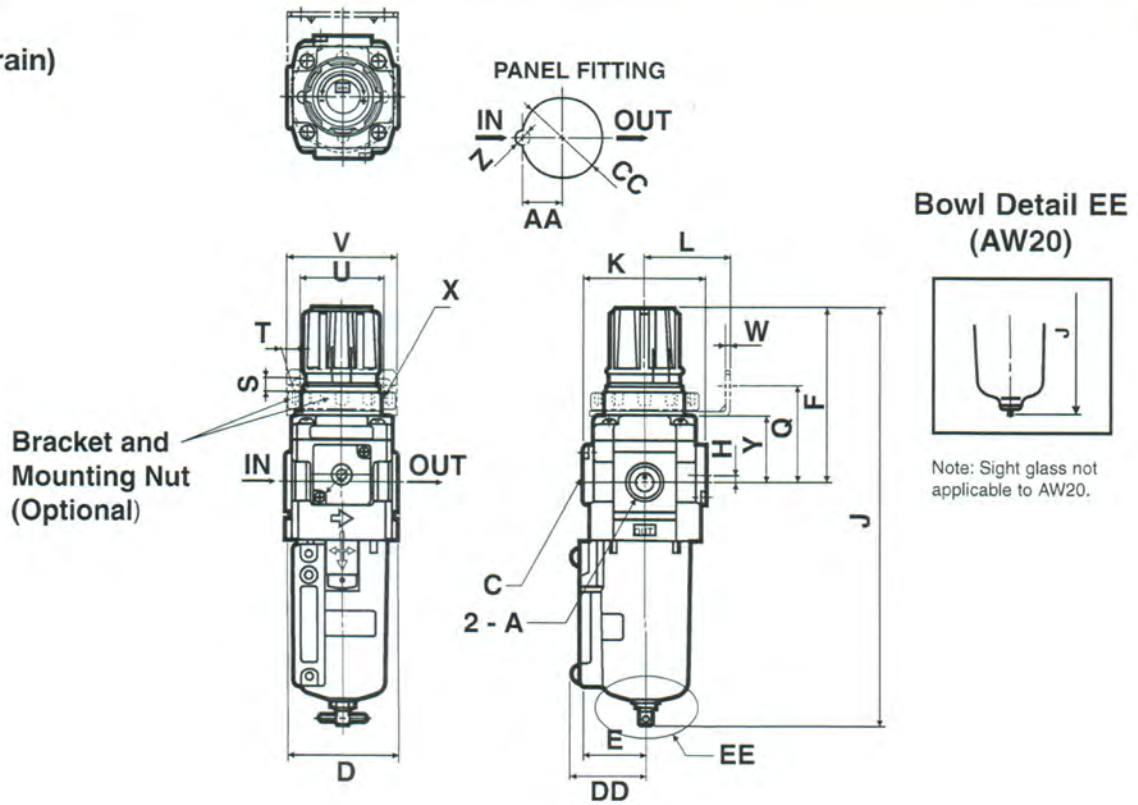
Standard

Model	Port Size	Gauge Port	Dimensions																		
	A	C	D	DD	E	F	H	J	K	L	Q	S	T	U	V	W	X	Y	Z	AA	CC
AW20	NPT 1/4	NPT 1/8	40	—	—	70(max.73)	5	157(max.160)	52	30	44	5.4	15.4	34	55	2.3	M28 X 1	30	6	14	28.5
AW30	NPT 3/8	NPT 1/8	53	34.5	30	83(max.86)	3.5	218(max.221)	59	41	46	6.5	8	40	53	2.3	M38 X 1.5	31	7	19	38.5
AW40	NPT 1/2	NPT 1/4	70	41	38	88(max.92)	1.5	255(max.259)	75	50	54	8.5	10.5	54	70	2.3	M42 X 1.5	35.5	7	21	42.5

Auto Drain

Model	Port Size	Gauge Port	Dimensions																		
	A	C	D	DD	E	F	H	J	K	L	Q	S	T	U	V	W	X	Y	Z	AA	CC
AW30	NPT 3/8	NPT 1/8	53	34.5	30	83(max.86)	3.5	239(max.242)	59	41	46	6.5	8	40	53	2.3	M38 X 1.5	31	7	19	38.5
AW40	NPT 1/2	NPT 1/4	70	41	38	88(max.92)	1.5	276(max.280)	75	50	54	8.5	10.5	54	70	2.3	M42 X 1.5	35.5	7	21	42.5

Standard (Manual Drain)



With Auto Drain

