



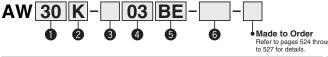
- Integrated filter and regulator units save space and require less piping.
- With the backflow function it incorporates a mechanism to exhaust the air pressure in the outlet side reliably and quickly.

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



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

					Refer to pages 524 throuto 527 for details.	ugh Lxaii	ipic) Avvoo	K-03BE- <u>1N</u>	:	
	_	_						0		
				Symbol	Description			Body size		
						10	20	30	40	60
2			h backflow	Nil	Without backflow function	•	•	•	•	•
			function	K Note 1)	With backflow function					
_				+						
				Nil	Metric thread (M5)	-	•	-	•	•
8		Th	read type	N Note 2)	NPT					
				F Note 3)	G					
				+	u		_		_	_
				M5	M5	•	Γ-	Ι —	_	_
				01	1/8	_	•	_	_	_
				02	1/4		•	•	•	_
4		- 1	Port size	03	3/8			•	•	
				04	1/2				•	
				06	3/4	_	_	_	•	•
				10	1	_	_	_	_	•
				+						
				Nil	Without mounting option	•	•	•	•	•
		а	Mounting	B Note 5)	With bracket	•	•	•	•	•
				H	With set nut (for panel fitting)					_
				+			_	_		_
			Float type	Nil	Without auto drain	•	•	•	•	•
		b	auto drain	С	Float type auto drain (N.C.)	•	•	•	•	•
	Note 4)			D	Float type auto drain (N.O.)				•	
	6			Nil	Without progues gours	•	•	•	•	•
6	Option			E	Without pressure gauge Square embedded type pressure gauge (with limit indicator)					
			Pressure		Round type pressure gauge (without limit indicator)	•			_	
			gauge	G	Round type pressure gauge (with limit indicator)		•	•	•	•
		С		М	Round type pressure gauge (with minit indicator) Round type pressure gauge (with color zone)	<u> </u>				
				E1 Note 6)	Output: NPN output / Electrical entry: Wiring bottom entry					
			Digital	E2 Note 6)	Output: NPN output / Electrical entry: Wiring bottom entry					
			pressure	E3 Note 6)	Output: PNP output / Electrical entry: Wiring bottom entry	_	•	•	•	•
			switch	E4 Note 6)	Output: PNP output / Electrical entry: Wiring top entry					
				+	Tagan and an analy many top only		_		_	
			0.1	Nil Note 7)	0.05 to 0.85 MPa setting	•	•	•	•	•
		d	Set pressure	1 Note 8)	0.02 to 0.2 MPa setting		•	•		•
	5			+						
	Semi-standard			Nil	Polycarbonate bowl	•	•	•	•	•
6	star			2	Metal bowl	•	•	•	•	•
	Ë		Bowl Note 9)	6	Nylon bowl	•	•	•	•	•
	Sel	е	BOWI	8	Metal bowl with level gauge			•	•	•
				С	With bowl guard	_	•		_	_



AC-A AF-A AF□-A

AR-A AL-A AW-A

AC

AF

AF.

AR

ΑL

AW□

 $A \square G$

E

AV

AF

AW20, AW20K AW40, AW40K

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

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. For AW20K to AW60K, 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

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

supplied loose at the time of shipment

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

AW20(K) to AW40(K)) Including 2 mounting screws for the AW60(K)

Note 6) 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 365 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. The combination of the round type pressure gauge with color zone "M" and a psi display "Z" is not orderable as a standard product. However,

this combination is available as a special.

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) O: For thread type: M5 and NPT only Note 16) A: Select with options: E1, E2, E3, E4.

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 (wi	th 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 MP	a				
Relief pressure Note 4)		Set pressure +	0.05 MPa [at re	lief flow rate of 0	.1 L/min (ANR)]				
Nominal filtration rating			5	μm					
Drain capacity (cm³)	2.5	8	25	45	45	45			
Bowl material			Polycai	rbonate					
Bowl guard	— Semi-standardStandard								
Construction			Relievi	ng type					
Weight (kg) 0.09 0.20 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 Note 3) -5 to 50°C for the products with the digital pressure switch pressure gauge (AW20(K) to AW60(K)). Note 4) Not applicable to the AW10.



Series AW10 to AW60 Series AW20K to AW60K

Options/Part No.

	Optional specifi	ications			Mo	del		
	Optional specifi	Icalions	AW10	AW20(K)	AW30(K)	AW40(K)	AW40(K)-06	AW60(K)
Bracket	assembly Note 1)		AR10P-270AS	AW20P-270AS AR30P-270AS AR4		AR40P	-270AS	AW60P-270AS Note 6)
Set nut			AR10P-260S	AR20P-260S	AR30P-260S	AR40F	P-260S	Note 7)
	Round type Note 2)	Standard	G27-10-R1	G36-1	0-□01		G46-10-□02	
	Round type Note 2)	0.02 to 0.2 MPa setting	G27-10-R1 Note 3)	G36-2	2-□01	G46-2-□02		
Pressure	Round type Note 2)	Standard	_	G36-10	-□01-L	G46-10-□02-L		
gauge	(with color zone)	0.02 to 0.2 MPa setting	_	G36-2-	-□01-L		G46-2-□02-L	
3 3.	Square embedded	Standard	_	GC	3-10AS [GC3P-0	010AS (Pressure	gauge cover or	ıly)]
	type Note 4)	0.02 to 0.2 MPa setting	_	GC	C3-2AS [GC3P-0	010AS (Pressure gauge cover only)]		
		NPN output / Wiring bottom entry		ISE35-N-25-MLA [ISE35-N-25-M (Switch body only)]				
	ressure Note 5)	NPN output / Wiring top entry		IS	E35-R-25-MLA	ISE35-R-25-M (Switch body only	/)]
switch		PNP output / Wiring bottom entry	_	IS	E35-N-65-MLA	[ISE35-N-65-M (Switch body only)]		
		PNP output / Wiring top entry		IS	E35-R-65-MLA	[ISE35-R-65-M (Switch body only	/)]
F1 4 4	Note 8) Note 9)	N.C.	AD17	AD27	AD37		AD47	
Float typ	e auto drain	N.O.	_	_	AD38	AD48		

Semi-standard/Bowl Assembly Part No.

Semi-standard specifications Model	
Bowl material Float type with drain guide N.C. N.O. Slower N.C. N.O. Slower Slower N.C. N.O. Slower Slower Slower Slower N.C. N.O. Slower Slowe	
Polycarbonate Polycarbonate	AW60(K)
Polycarbonate	
Polycarbonate	
C2SF-CJ	
— — — — C1SF-6 C2SF-6 C3SF-6 C4SF-6 — — — — — — — — — — — — — — — Nvlon — — — — — — — AD47-6	
— —	
●	
Nylon	
Nylon Approx	
• • - - • - AD27-6C - -	
C2SF-6J C3SF-6J C4SF-6J	
C3SF-6W C4SF-6W	
● C2SF-6CJ	
C1SF-2	
Metal	
Metal — ● — — — — AD38-2 AD48-2	
— — ● — — — C2SF-2J C3SF-2J C4SF-2J	
C3LF-8	
Metal bowl with ● AD37-8 AD47-8	
level gauge — • — — — — AD38-8 AD48-8	
— — ● — — — C3LF-8J C4LF-8J	

Note 1) Assembly of a bracket and set nuts

Note 2) in part numbers for a round pressure gauge indicates a type of connection thread. No indication is necessary for R; however, indicate N for NPT. Please contact SMC regarding the connection thread NPT and pressure gauge supply for psi unit specifications.

Note 3) Standard pressure gauge

Note 4) Including one O-ring and 2 mounting screws. []: Pressure gauge cover only

Note 5) Lead wire with connector (2 m), adapter, lock pin, O-ring (1 pc), mounting screw (2 pcs) are attached. []: Switch body only, Also, regarding how to order the digital pressure switch, please refer to page 538. A pressure switch adapter assembly (AW60P310AS) will be additionally required for the AW60(K) only. Use the attached mounting screw (M3 x 0.5 x 14) for mounting. The mounting screw (M3 x 0.5 x 7) attached to the digital pressure switch assembly will not be required.

Note 6) Assembly of a bracket and 2 mounting screws

Note 7) Please consult SMC regarding the set nuts for the AW60(K).

Note 8) Minimum operating pressure: N.O. type-0.1 MPa; N.C. type-0.1 MPa (AD27) and 0.15 MPa (AD37/47). Please contact SMC for psi and °F unit specifications.

Note 9) Please consult SMC for details on drain piping to fit NPT or G port sizes.

Note) • Bowl O-ring is included for the AW20(K) to AW60(K).

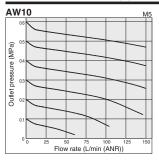
Bowl assembly for the AW30(K) to AW60(K) models comes with a bowl guard (steel band material). (except when the bowl material is metal)

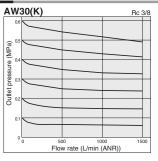


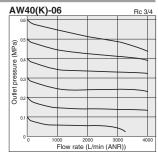
Series AW10 to AW60 Series AW20K to AW60K

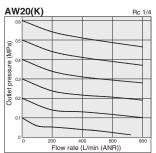
Flow Characteristics (Representative values)

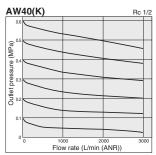
Condition: Inlet pressure 0.7 MPa

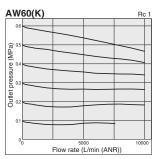






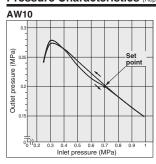


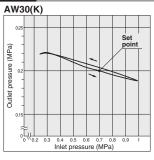


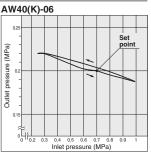


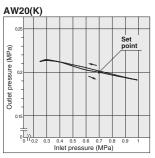
Pressure Characteristics (Representative values)

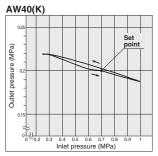
Conditions: Inlet pressure 0.7 MPa, Outlet pressure 0.2 MPa, Flow rate 20 L/min (ANR)

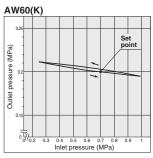






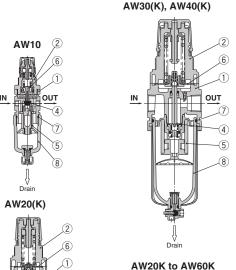


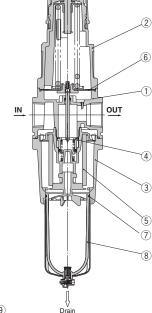




AW60(K)

Construction





AC-A

AF□-A AR-A

AL-A

AC AF

AR AL

 $AW\square$

 $A \square G$

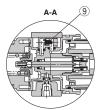
 $\mathsf{E}\Box$

AV

AF

AW20K to AW60K (Filter Regulator with Backflow Function)





Drain
Component Parts

OUT

5

COII	iponeni Paris			
No.	Description	Material	Model	Color
1	Body	Zinc die-cast		Platinum silver
'	Body	Aluminum die-cast	AW20(K) to AW60(K)	r iaurium silver
2	Bonnet	Polyacetal	AW10 to AW40(K)	Black
2	Bollilet	Aluminum die-cast	AW60(K)	DIACK
3	Housing	lousing Aluminum die-cast AW60(K)		

Replacement Parts

No.	Description	Material	Part no.							
NO.	Description	Material	AW10	AW20(K)	AW30(K)	AW40(K)	AW40(K)-06	AW60(K)		
4	Valve assembly	Brass, HNBR	AR10P-090S	AW20P-340AS	AW30P-340AS	AW40P	AW40P-340AS			
5	Filter element	Non-woven fabric	AF10P-060S	AF20P-060S	AF30P-060S	AF40F	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)					
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

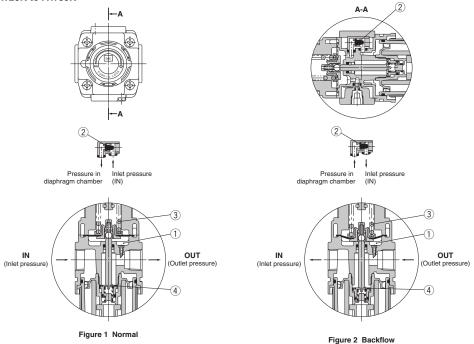
Working Principle (Filter Regulator with Backflow Function)



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.

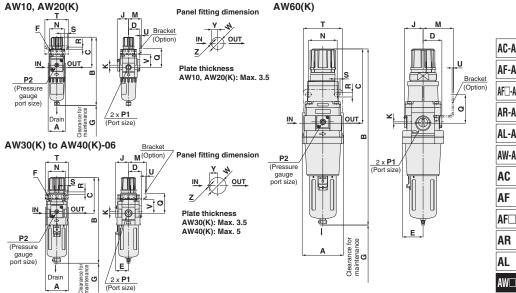
AW20K to AW60K



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).

Dimensions



GE I (STORE)													
Applicable model	AW20(K) to AV	V60(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	Round type pressure gauge (with color zone)									
Dimensions	Center of piping	Center of piping	T	Center of piping									

Applicable model	AW10, A	W20(K)	AW20(K)		K)			
Optional/Semi-standard specifications			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	M5 x 0.8	B	1/0	N.O.: Black N.C.: Gray			width across flats 17	Barb fitting Applicable tubing: T0604

					`A I	d speci	e::	_								ecificatio			
Model				٥	nandan	a speci	ncation	S				Squar	re type re gauge	Digital pressure switch H J — — — — □ 27.8 37.5 □ 27.8 41		Round type pressure gauge ga		Round type pressure gauge (with color zone)	
	P1	P2	Α	B Note)	С	C D E F G J K H J					Н	J	Н	J	Н	J			
AW10	M5 x 0.8	1/16	25	108	48	12.5	_	M18 x 1	25	12.5	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	62.5	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	82	ø42.5	84

				(Optional	specific	ations					Semi-standard specifications			
		Bra	icket mo	unt				Panel	mount		With auto drain	With barb fitting	With drain guide	Metal bowl	Metal bowl with level gauge
M	N	Q	R	S	Т	U	٧				B Note)	B Note)	B Note)	B Note)	B Note)
25	28	30	4.5	6.5	40	2	18	18.5	_	_	125	_	_	107	_
30	34	44	5.4	15.4	55	2.3	30	28.5	14	6	177	_	164	160	_
41	40	46	6.5	8	53	2.3	31	38.5	19	7	242	209	208	214	234
50	54	54	8.5	10.5	70	2.3	35.5	42.5	21	7	278	247	246	252	272
50	54	56	8.5	10.5	70	2.3	37	42.5	21	7	282	251	249	255	275
70	66	66	11	13	90	3.2	_	_	_	_	448	417	416	422	442
	25 30 41 50 50	25 28 30 34 41 40 50 54 50 54	M N Q 25 28 30 30 34 44 41 40 46 50 54 54 50 54 56	M N Q R 25 28 30 4.5 30 34 44 5.4 41 40 46 6.5 50 54 54 8.5 50 54 56 8.5	M N Q R S 25 28 30 4.5 6.5 30 34 44 5.4 15.4 41 40 46 6.5 8 50 54 54 8.5 10.5 50 54 56 8.5 10.5	Bracket mount M N Q R S T 25 28 30 4.5 6.5 40 30 34 44 5.4 15.4 55 41 40 46 6.5 8 53 50 54 54 8.5 10.5 70 50 54 56 8.5 10.5 70	Bracket mount M N Q R S T U 25 28 30 4.5 6.5 40 2 30 34 44 5.4 15.4 55 2.3 41 40 46 6.5 8 53 2.3 50 54 54 8.5 10.5 70 2.3 50 54 56 8.5 10.5 70 2.3	M N Q R S T U V 25 28 30 4.5 6.5 40 2 18 30 34 44 5.4 15.4 55 2.3 30 41 40 46 6.5 8 53 2.3 31 50 54 54 8.5 10.5 70 2.3 35 50 54 56 8.5 10.5 70 2.3 37	Bracket mount Panel M N Q R S T U V W 25 28 30 4.5 6.5 40 2 18 18.5 30 34 44 5.4 15.4 55 2.3 30 28.5 41 40 46 6.5 8 53 2.3 31 38.5 50 54 54 8.5 10.5 70 2.3 35.5 42.5 50 54 56 8.5 10.5 70 2.3 37 42.5	Bracket mount Panel mount M N Q R S T U V W Y 25 28 30 4.5 6.5 40 2 18 18.5 — 30 34 44 5.4 15.4 55 2.3 30 28.5 14 41 40 46 6.5 8 53 2.3 31 38.5 19 50 54 54 8.5 10.5 70 2.3 35.5 42.5 21 50 54 56 8.5 10.5 70 2.3 37 42.5 21	Bracket mount Panel mount M N Q R S T U V W Y Z 25 28 30 4.5 6.5 40 2 18 18.5 — — 30 34 44 5.4 15.4 55 2.3 30 28.5 14 6 41 40 46 6.5 8 53 2.3 31 38.5 19 7 50 54 56 8.5 10.5 70 2.3 35.5 42.5 21 7 50 54 56 8.5 10.5 70 2.3 37 42.5 21 7	Bracket mount Panel mount With auto drain M N Q R S T U V W Y Z B Note) 25 28 30 4.5 6.5 40 2 18 18.5 — — 125 30 34 44 5.4 15.4 55 2.3 30 28.5 14 6 177 41 40 46 6.5 8 53 2.3 31 38.5 19 7 242 50 54 54 8.5 10.5 70 2.3 35.5 42.5 21 7 282 50 54 56 8.5 10.5 70 2.3 37 42.5 21 7 282	Bracket mount Panel mount With auto drain With barb fitting M N Q R S T U V W Y Z B Note) B Note) 25 28 30 4.5 6.5 40 2 18 18.5 — — 125 — 30 34 44 5.4 15.4 55 2.3 30 28.5 14 6 177 — 41 40 46 6.5 8 53 2.3 31 38.5 19 7 242 209 50 54 54 8.5 10.5 70 2.3 35.5 42.5 21 7 282 251 50 54 56 8.5 10.5 70 2.3 37 42.5 21 7 282 251	N Q R S T U V W Y Z B Note C S T C U	Panel Multiple M

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

A□G E□ AV AF

Filter Regulator AW20 to AW60 **Made to Order Specifications:**



Please contact SMC for detailed dimensions, specifications, and lead times.

1 Special Temperature Environment

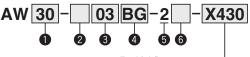
Special materials are used in the manufacturing of seals and resin parts to allow them to withstand various temperature conditions in cold or tropical (hot) climates.

Specifications

Made-to-	order part no.	-X430	-X440		
Environn	nent	Low temperature	High temperature		
Ambient to	emperature (°C)	-30 to 60	-5 to 80		
Fluid tem	perature (°C)	-5 to 60 (with no freezing)			
Material	Rubber parts	Special NBR FKM			
wateriai	Main parts	Metal (Aluminur	n die-cast), etc.		

Applicable Model

Model	AW30	AW40	AW40-06	AW60
Port size	1/4, 3/8	1/4, 3/8, 1/2	3/4	3/4, 1



For high/low temperature X430 Low temperature X440 High temperature



AW30-03G-2-X440

- . Option/Semi-standard: Select one each for a to g.
- Option/Semi-standard symbol: When more than one specification is required, indicate in alphanumeric order.
- Example) AW30-03BG-2N-X430

_						0	
			Symbol	Description		Body size	
					30	40	60
			Nil	Rc	•	•	•
	Ti	read type	N	NPT	•	•	•
			F	G	•	•	•
			+				
			02	1/4	•	•	
			03	3/8	•	•	
		Port size	04	1/2		•	_
			06	3/4	_	•	<u> </u>
			10	1	_	_	•
	. —		+				
			Nil	Without mounting option	•	•	•
Note 1)	a	Mounting	B Note 2)	With bracket	•	•	•
			Н	With set nut (for panel fitting)	•	•	_
18			+				
-	Ь	Proceure gauge	Nil	Without pressure gauge	•	•	<u> </u>
		Pressure gauge	G Note 3)	Round type pressure gauge (without limit indicator)	•	•	•
	В	owl Note 4)	2	Metal bowl	•	•	•
			+				
	c	Set pressure	Nil	0.05 to 0.85 MPa setting	•	•	<u> </u>
	Ľ	Cot procoure	1 Note 5)	0.02 to 0.2 MPa setting	•	•	•
	_		_+_			_	
	d	Drain port	Nil	With drain cock	•	•	
5		p	J Note 6)	Drain guide 1/4	•	•	•
g	_		+				
star	ll e	Exhaust mechanism	Nil	Relieving type	•	•	
Semi-standard			N	Non-relieving type	•	•	•
l ë	_		+				
"	l f	Flow direction	Nil	Flow direction: Left to right	•	•	•
	Ľ		R	Flow direction: Right to left	•	•	<u> </u>
	_		+				
	g	Pressure unit	Nil	Name plate, caution plate for bowl, and pressure gauge in imperial units: MPa	•	•	•
	9		Z Note 7)	Name plate, caution plate for bowl, and pressure gauge in imperial units: psi, °F	○ Note 8)	○ Note 8)	○ Note 8)

Note 2) Assembly of a bracket and set nuts (AW30 to AW40) Including 2 mounting screws for the AW60

Note 3) Mounting thread for pressure gauge: 1/8 for the AW30, 1/4 for the AW40 and AW60. Pressure gauge type: G43

Note 4) Only metal bowl 2 is available.

Note 5) 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 6) Without a valve function

Note 7) 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.)

Note 8) O: For thread type: NPT only



Filter Regulator Series AW20 to AW60

2 High Pressure

Strong materials are used in the manufacturing of air filters intended for high pressure operation. Also, construction modification allows a wider regulating pressure range.

Specifications

Made-to-order part no.	-X425			
Proof pressure (MPa)	3.0			
Maximum operating pressure (MPa)	2.0			
Set pressure range (MPa)	0.1 to 1.7			
Ambient and fluid temperature (°C)	-5 to 60°C (with no freezing)			

Applicable Model

Model	AW20	AW30	AW40	AW40-06	AW60
Port size	1/8, 1/4	1/4, 3/8	1/4, 3/8, 1/2	3/4	3/4, 1



AW30-03-2-X425

X425

For high pressure

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

Example) AW30-03BG-2N-X425

_	$\overline{}$							
			Symbol	Description		Body	/ size	
					20	30	40	60
			Nil	Rc	•	•	•	•
2		Thread type	N	NPT	•	•	•	•
L			F	G	•	•	•	•
			+					
			01	1/8	•	_	_	
			02	1/4	•	•	•	
3		Port size	03	3/8		•	•	
		1 OIL OILO	04	1/2		_	•	
			06	3/4		_	•	•
			10	1		_	_	•
			+					
			Nil	Without mounting option	•	•	•	•
Note		a Mounting	B Note 2)	With bracket	•	•	•	•
3 ig	[L		H +	With set nut (for panel fitting)	•	•	•	
ا ا	3 _				-	-		
	Ш	b Pressure gauge	Nil	Without pressure gauge	•	•	•	•
\perp		-	G Note 3)	Round type pressure gauge (with limit indicator)	•	•	•	•
			+					
5		Bowl Note 4)	2	Metal bowl	<u> </u>	•	•	•
		DOWI -	8	Metal bowl with level gauge		•	•	•
			+				_	
	Ш	c Exhaust mechanism	Nil	Relieving type	•	•	•	•
			N	Non-relieving type	•	•	•	•
			+ Nil	With drain cock	•	•	•	•
20	3	d Drain port		Drain guide 1/8				
<u> </u>	Ĭ '	u Diam port	J Note 5)	Drain guide 1/4		•	•	
6 5	5 -		+	Drain guide 1/4				
Semi-standard			Nil	Flow direction: Left to right	•	•	•	•
ů,	3 1	e Flow direction	R	Flow direction: Right to left	-			
			+	Tion direction riight to lot				
			Nil	Name plate, caution plate for bowl, and pressure gauge in imperial units: MPa	•	•	•	•
		f Pressure unit	Z Note 6)	Name plate, caution plate for bowl, and pressure gauge in imperial units: psi, °F	(Note 7)	Note 7)	Note 7)	(Note 7)

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

Note 2) Assembly of a bracket and set nuts (AW20 to AW40)

Including 2 mounting screws for the AW60
Note 3) Mounting thread for pressure gauge. 1/8 for the AW20 and AW30, 1/4 for the AW40 and AW60. Pressure gauge type: G46-20Note 4) Only metal bowl 2 and 8 are available.

Note 5) Without a valve function
Note 6) 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.)

Note 7) O: For thread type: NPT only

AC-A

AF-A

AF□-A AR-A AL-A

AW-A

AC

AF. AR

AL $AW\square$ $A \square G$ E AV AF

Made to Order Specifications:



Please contact SMC for detailed dimensions, specifications, and lead times.

3 0.4 MPa Setting

The maximum set pressure is 0.4 MPa. When a pressure gauge is included, the display will show a range from 0 to 0.4 MPa.

Specifications

Proof pressure	1.5 MPa
Maximum operating pressure	1.0 MPa
Set pressure range	0.05 to 0.4 MPa

Applicable Model

Model	AW10	AW20(K)	AW30(K)	AW40(K)	AW40(K)-06	AW60(K)
Port size	M5	1/8, 1/4	1/4. 3/8	1/4, 3/8, 1/2	3/4	3/4. 1

4 Long Bowl

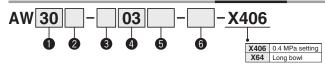
Drain capacity is greater than that of standard models.

Applicable Model/Drain Capacity

Model	AW10	AW20(K)	AW30(K)	AW40(K)	AW40(K)-06	AW60(K)
Port size	M5	1/8, 1/4	1/4, 3/8	1/4, 3/8, 1/2	3/4	3/4, 1
Drain capacity (cm3)	9	19	43		88	

Note) Please consult SMC for dimensions.

How to Order



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

Example) AW30K-03BE-2N-X406

0.4 MPa Setting

Long Bowl

	_	_		Symbol	Description			O Body siz					O Body siz		
				-,		10	20	30	40	60	10	20	30	40	60
_		\A/ith	backflow	Nil	Without backflow function					•					
2			unction	K Note 1)	With backflow function	_	-				-	-			
		10	anction	+	With backnow function					•		_	_		
					Metric thread (M5)		Ι –	T -	T -	I - 1	•	T -	I –	Γ-	Τ-
		_		Nil	Rc	_	•	•	•	•	T-	•	•	•	
3		Thr	ead type	Note 2)	NPT	_		•	•	•	_	•	•	•	
				F Note 3)	G	_		•	•	•	_	•	•	•	
				+											
			M5	M5	•	T -	-	-	-		-	-	-	-	
				01	1/8	_	•			-	_	•	-	l –	-
_				02	1/4	_	•	•	•	_	_	•	•	•	-
		P	ort size	03	3/8	_	I -	•	•	_	_	-	•	•	-
				04	1/2	_	I -	-	•	_	_	-	-	•	-
				06	3/4	_	I -	-	•	•	_	-	-	•	
				10	1	_	-	-	-	•	_	-	-	-	
				+											
				Nil	Without mounting option	•	•	•	•	•		•	•	•	
		а	Mounting	B Note 5)	With bracket	•	•	•	•	•		•	•	•	
				Н	With set nut (for panel fitting)	•	•	•	•			•	•	•	-
				+											
			Float type	Nil	Without auto drain	•	•	•	•	•			_	_	<u> </u>
		b	auto drain	С	Float type auto drain (N.C.)	•	•	•	•	•		_	_	_	<u> </u>
١,	iote 4)			D	Float type auto drain (N.O.)	_	-	•		•	L-	_	-	_	-
Л	5	_		+											
)	Option			Nil	Without pressure gauge	•	•	•	•	•	•	•	•	•	•
	0		Pressure	E	Square embedded type pressure gauge (with limit indicator)	_	•	•	•	•		•	•	•	•
			gauge	G	Round type pressure gauge (without limit indicator)	•	-	_	_	_		_	_	_	<u> </u>
			gaage		Round type pressure gauge (with limit indicator)	_	•	•	•	•		•	•	•	
		С		M	Round type pressure gauge (with color zone)	_	•	•	•	•		•	•	•	
			Digital	E1 Note 6)	Output: NPN output / Electrical entry: Wiring bottom entry	_	•	•	•	•		•	•	•	
			pressure	E2 Note 6)	Output: NPN output / Electrical entry: Wiring top entry	_	•	•	•	•		•	•	•	•
			switch	E3 Note 6)	Output: PNP output / Electrical entry: Wiring bottom entry	_	•	•	•	•	_	•	•	•	
			SWILCH	E4 Note 6)	Output: PNP output / Electrical entry: Wiring top entry	_				•	=		•	•	

- Note 1) The AW10 type comes with a backflow function as a standard feature. (K is no 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.
- 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 63/8* 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
- 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)).
- Including 2 mounting screws for the AW60(K)
 Note 6) When choosing with H (panel mount), the installation space for lead wires will
 not be secured. In this case, select 'wiring down entry' for the electrial entry.



AF-A AF□-A

AC-A

AR-A

AL-A AW-A

AC

AF

AF. AR

Long Bowl 0.4 MPa Setting

AL $AW\square$ $A \square G$ E AV AF

`		_						0					0		
		_	_	Symbol	Description		E	Body siz	е			E	ody siz	е	
						10	20	30	40	60	10	20	30	40	60
				Nil Note 7)	0.05 to 0.85 MPa setting	_	Ι –	Γ-	_				•	•	
		d	Set pressure	1 Note 8)	0.02 to 0.2 MPa setting	_	-	-	-	-		•	•	•	•
				+	•										
				Nil	Polycarbonate bowl	•	•	•	•	•	•	•	•	•	•
				2	Metal bowl	•	•	•	•	•	•	•	•	•	•
	e		Bowl Note 9)	6	Nylon bowl	•	•	•	•	•	•	•	•	•	•
				8	Metal bowl with level gauge	_	_	•	•	•	_	_	_	_	
				С	With bowl guard	_	•	_				•	_		
				6C	Nylon bowl with bowl guard	_	•	_	_	_	_	_	_	_	
	व		+												
	dal		Note 10)	Nil	With drain cock	•	•	•	•	•	•	•	•	•	•
6	Semi-standard	f	Drain port	. Note 11)	Drain guide 1/8	_	•	_	_		_	•	_	_	
•	÷			•	Drain guide 1/4	_	_	•	•	•	_	_	•	•	•
	e l			W Note 12)	Drain cock with barb fitting: For ø6 x ø4 nylon tube	_	_	•	•		_	_	•	_	
	0														
		g	Exhaust	Nil	Relieving type	•	•	•	•		•	•	•	•	
		9	mechanism	N	Non-relieving type				•				•		
				+											
		h	Flow direction	Nil	Flow direction: Left to right	•	•	•	•	•	•	•	•	•	•
		"	I low direction	R	Flow direction: Right to left	•	•	•	•		•	•	•	•	•
				+											

ZA Note 14) Digital pressure switch: With unit conversion function 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

Nii Name plate, caution plate for bowl, and pressure gauge in imperial units: ps., %

Z Note 13) Name plate, caution plate for bowl, and pressure gauge in imperial units: ps., %

Name plate, caution plate for bowl, and pressure gauge in imperial units: ps., %

Note 13) Name plate, caution plate for bowl, and pressure gauge in imperial units: ps., %

Note 13) Name plate, caution plate for bowl, and pressure gauge in imperial units: ps., %

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Note 13) Name plate, caution plate for bowl, and pressure gauge in imperial units: ps., %

Note 13) Name plate, caution plate for bowl, and pressure gauge in imperial units: ps., %

Note 14) Name plate, caution plate for bowl, and pressure gauge in imperial units: ps., %

Note 15) Name plate, caution plate for bowl, and pressure gauge in imperial units: ps., %

Note 15) Name plate, caution plate for bowl, and pressure gauge in imperial units: ps., %

Note 15) Name plate, caution plate for bowl, and pressure gauge in imperial units: ps., %

Note 15) Name plate, caution plate for bowl, and pressure gauge in imperial units: ps., %

Note 15) Note 15

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 365 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: MS 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.)

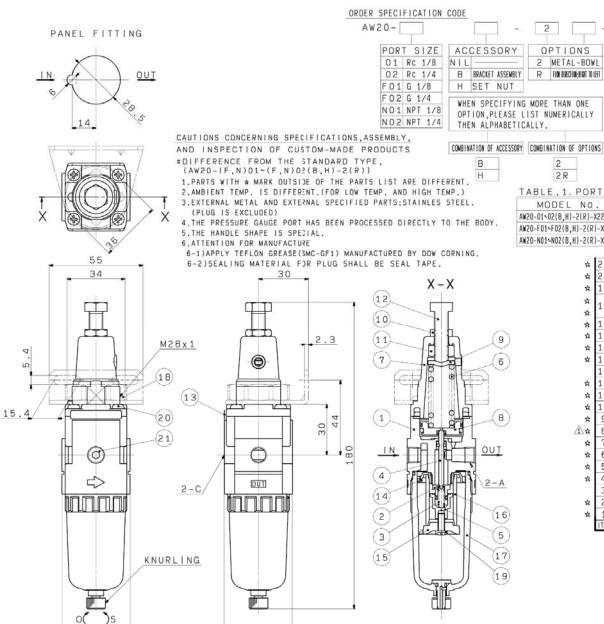
The digital pressure switch will be equipped with the unit conversion function, setting to psi initially.

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.

Pressure unit



40

SPECIFICATIONS		
PROOF PRESS.	1.5	мРа
MAX, WORKING PRESS.	1.0	мРа
SET PRESS.	0.05~0.85	мРа
WORKING FLUID	AIR	
AMBIENT TEMP.	-40~85°C	
WORKING FLUID TEMP.		
-5~60 °C (SHOULD	BE NO FREEZ	ING)
RATED FILTRATION	5 μm	
PORT SIZE	2 - A	
GAUGE PORT SIZE	2-C	

ATTENTION

-X2257

OPTIONS

2 METAL-BOWL

2R

1. ACCESSORIES ARE PACKED TOGETHER.

TABLE.1. PORT S	IZE AND C	COMPONI	ENT PART NO.	
MODEL NO.	A	C	① BODY	20 PLUG
AV20-01~02(B,H)-2(R)-X2257	RC 1/8~1/4	RC 1/8	AW20P-012-01~02-X2242	R 1/8{TB00143}
AV20-F01-F02(B,H)-2(R)-X2257	G 1/8~1/4	G 1/8	AW20P-012-F01~F02-X2242	R 1/8(TB00217)
AW20-N01-N02(B.H)-2(R)-X2257	NPT 1/8~1/4	NPT 1/8	AW20P-012-N01~N02-X2242	NPTF 1/8(TB00248)

	ITEM	PART NO	PART NAME	MATERIAL	QTY	REMARKS
\Rightarrow	1	REFER TO TABLE.1	BODY	ALUMINIUM DIE CASTING	1	CHROMATE TREATMEN
*	2	AW20P-340AS-X2220	VALVE ASSEMBLY		1	RUBBER MATERIAL-LINING "O"PING: MBR(FOR LOW TEX
	3	AW20P-350	VALVE SPRING	STAINLESS STEEL	1	
$\dot{\mathbf{x}}$	4	AW20P-360A-X2242	STEM ASSEMBLY		1	"O"RING MATERIAL; NBR(FOR LOW TEMP.
\Rightarrow	5	AW20P-550-X2242	VALVE GUIDE	ALUMINIUM BAR	1	CHROMATE TREATME
\Rightarrow	6	AW20P-180-X2242	ADJUST SPRING	STEEL WIRE	1	Zn, CHROMATE TREATME
$\dot{\mathbf{x}}$	7	AW20P-500-X2242	BONNET	ALUMINIUM DIE CASTING	1	CHROMATE TREATME
Âά	8	AW20P-520AS-X2242	PISTON ASSEMBLY		1	"O"RING MATERIAL: NBR(FOR LOW TEMP.
\Rightarrow	9	AW20P-540-X2242	ADJUST SPRING HOLDER	STEEL PLATE	1	Zn.CHROMATE TREATME
$\dot{\mathbf{x}}$	10	DG00002	NUT	STAINLESS STEEL	1	M8X1
$\dot{\mathbf{x}}$	11	AR20P-570-X425	NUT	STEEL	1	Zn,CHROMATE TREATME
rk.	12	AR20P-680-X2242	ADJUST SCREW	STAINLESS STEEL	1	
	13	AR25P-300	NAME PLATE	POLYETHYLENE	1	COMPLETE PRODUC
*	14	AF20P-030-X430	DEFLECTOR	PBT	1	
$\dot{\mathbf{x}}$	15	AF20P-040S-X430	BAFFLE PLATE	PBT	1	
$\dot{\mathbf{x}}$	16	AW20P-060S-7-5B	ELEMENT	SINTERED BRONZE	1	
*	17	C2SF-2-X2257	BOWL ASSEMBLY		1	BOWL MATERIAL: A
*	18	AW20P-270AS-X470	BPACKET ASSEMBLY		1	VITH
*		AR20P-260S-X470	SET NUT	BRASS BAR	1	NI PLATING WITH
*	19	AA00233	SCREW	STEEL WIRE	1	M4x0.7x10 NI.PLATING
×	20	QB00087	TAP TITE	STAINLESS STEEL	4	M4x0.7x12,TAPPING SCI PAN HEAD,W/WAX
*	21	REFER TO TABLE.1	P_UG	STEEL	2	NI.PLATIN

Unless otherwise noted along with a separate contract or agreement within the Product Specifications, the safety instructions specified in the product catalog are applied. Please contact your local SMC Sales office for further details.

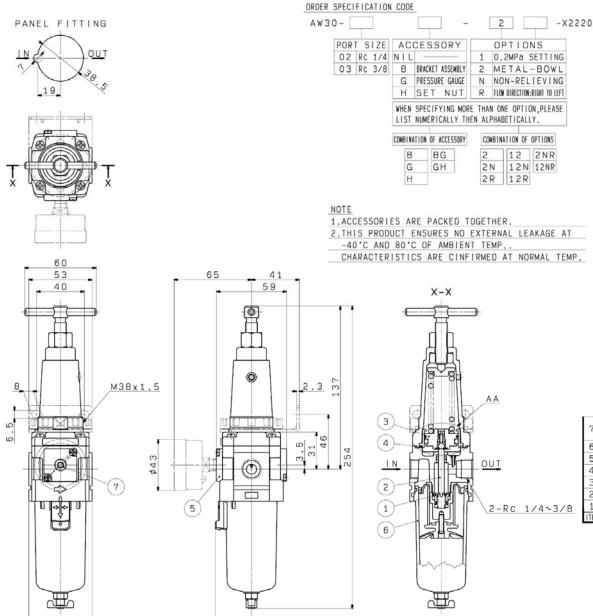


TABLE.1	PISTON ASSEMBLY	PORTION AA (1:1)
OPTIONS	2	2 N
NO.	AF30P-520AS-X2220	AR30P-520AS-N-X2220
CONSTRUCTION	3	3

1.5	мРа
1.0	мра
0.05~0	.85MPa
0.02~0	.2 MPa
AIR	
-40~80	°C
-5~60	C (SHOULD BE NO FREEZING)
5 μm	
2-RC 1	/4~3/8
2-Rc 1	/8
	1.0 0.05~0 0.02~0 AIR -40~80 -5~60° 5 µm 2-RC 1

CAUTIONS CONCERNING SPECIFICATIONS, ASSEMBLY,
AND INSPECTION OF CUSTOM-MADE PRODUCTS

*DIFFERENCE FROM THE STANDARD TYPE,

{AW30-02~03(B,G,H)-2(1,N,R)-X430}

- 1. PARTS IN THE TITLE COLUMN DIFFER FROM STANDARD.
- 2.LOW TEMP. AND HIGH TEMP. SPECIFICATION. (AMBIENT TEMP.:-40~80°C)
- 3. CAUTIONS FOR MANUFACTURING
- APPLY TEFLON GREASE (SMC-GF1).
- 2) SEALING MATERIAL FOR PLUG SHALL BE SEAL TAPE.

7	TB00143	PLUG	STEEL	1	R 1/8 PRESSURE GAUGE
Ľ	1600143	r t U G	SILLL	2	NI, PLATING PRESSURE GAUGE
6	C3SF-2-X2220	BOWL ASSEMBLY	· · · · · · · · ·	1	BOWL MATERIAL; ADC
5	AR20P-310AS-01-X2220	PRESSURE GAUGE ADAPTOR ASSEMBLY		2	"O" RING MATERIAL :NBR(FOR LOW TEMP,)
4	AR30P-830-X2220	"O" RING	NBR	1	FOR LOW TEMP.
3	REFER TO TABLE.1	PISTON ASSEMBLY		1	RUBBER LINING, "O" RING WATERIAL: MBR(FOR LOW TEMP,)
2	AW30P-360A-X2220	S'EM ASSEMBLY		1	"O" RING MATERIAL :NBR(FOR LOW TEMP.)
1	AW30P-340AS-X2220	VALVE ASSEMBLY		1	RUBBER LINING MATERIAL :NBR(FOR LOW TEMP.)
ITEM	PART NO	PART NAME	MATERIAL	QTY	REMARKS

Unless otherwise noted along with a separate contract or agreement within the Product Specifications, the safety instructions specified in the product catalog are applied. Please contact your local SMC Sales office for further details.

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Air Grippers

Air Cylinders

Valves C-E13-4A 2016-7

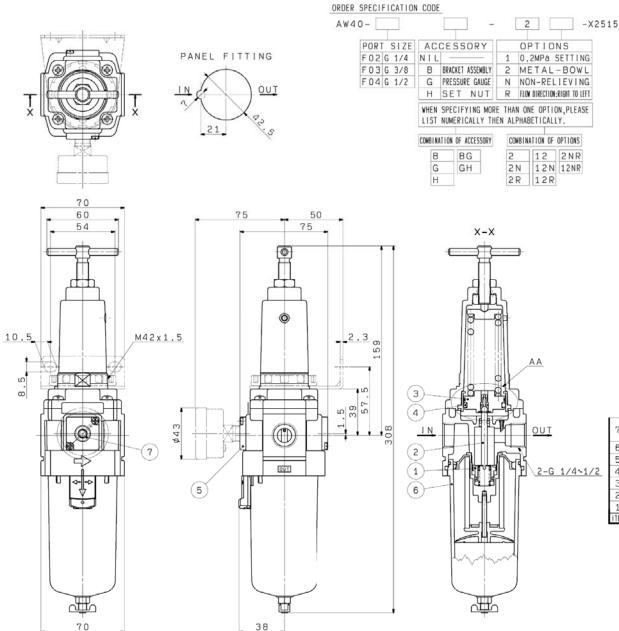


TABLE.1	PISTON ASSEMBLY	PORTION AA (1:1)
OPTIONS	2	2 N
No.	AF40P-520AS-X2220	AR40P-520AS-N-X2220
CONSTRUCTION	3	3

SPECIFICATIONS	
PROOF PRESS.	1.5 MPa
MAX.WORKING PRESS.	1.0 MPa
SET PRESS.	0.05~0.85MPa
0.2MPa SETTING	0.02~0.2 MPa
WORKING FLUID	AIR
AMBIENT TEMP.	-40~80°C
WORKING FLUID TEMP.	-5~60 °C (SHOULD BE NO FREEZING)
RATED FILTRATION	5 μm
PORT SIZE	2-G 1/4~1/2
GAUGE PORT SIZE	2-G 1/4

NOTE 1.ACCESSOPIES ARE PACKED TOGETHER. 2.THIS PRODUCT ENSURES NO EXTERNAL LEAKAGE AT -40°C AND 80°C OF AMBIENT TEMP..

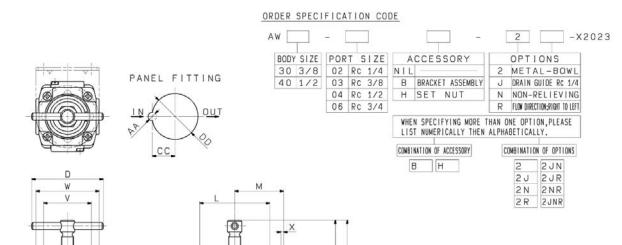
CAUTIONS CONCERNING SPECIFICATIONS, ASSEMBLY, AND INSPECTION OF CUSTOM-MADE PRODUCTS

CHARACTERISTICS ARE CINFIRMED AT NORMAL TEMP.

- *DIFFERENCE FROM THE STANDARD TYPE, {AW40-F02~F04(B,G,H)-2(1,N,R)-X430}
- 1. PARTS IN THE TITLE COLUMN DIFFER FROM STANDARD,
- 2.LOW TEMP. AND HIGH TEMP. SPECIFICATION. (AMBIENT TEMP.:-40~80°C)
- 3.CAUTIONS FOR MANUFACTURING
- 1) APPLY TEFLON GREASE (SMC-GF1).
- 2) SEALING MATERIAL FOR PLUG SHALL BE SEAL TAPE.

-	TB00280	PLUG	CTEEL	1	R 1/4 VITH PRESSURE GAUGE
Ľ	1600260	PLUG	STEEL	2	NI, PLATING PRESSURE GAUGE
6	C4SF-2-X2220	BOWL ASSEMBLY	· ·	1	BOWL MATERIAL; ADC
5	AR20P-310AS-F02-X2220	PRESSURE GAUGE ADAPTOR ASSEMBLY		2	"O" RING MATERIAL :NBR(FOR LOW TEMP.)
4	AR40P-860-X2220	"O" RING	NBR	1	FOR LOW TEMP.
3	REFER TO TABLE.1	PISTON ASSEMBLY		1	RUBBER LINING, "O" RING WATERIAL: MBR(FOR LOW TEMP.)
2	AW40P-360A-X2220	S'EM ASSEMBLY		1	"O" RING MATERIAL :NBR(FOR LOW TEMP.)
1	AW40P-340AS-X2220	VALVE ASSEMBLY		1	RUBBER LINING MATERIAL :NBR(FOR LOW TEMP.)
ITEM	PART NO	PART NAME	MATERIAL	QTY	REMARKS

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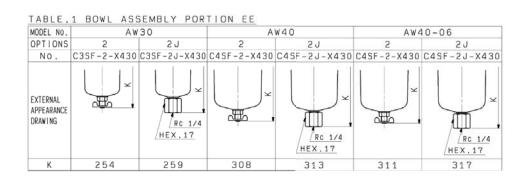
SPECIFICATIONS		
PROOF PRESS.	3.0	мРа
MAX, WORKING PRESS.	2,0	мра
SET PRESS.	0.1~1.7	мРа
WORKING FLUID	AIR	
AMBIENT TEMP,	-30~60°C	
WORKING FLUID TEMP.	-5~60°C(SHOULD BE NO FREEZING
RATED FILTRATION	5 μm	
PORT SIZE	2-A (REF	ER TO TABLE.3)
GAUGE PORT SIZE	2-C (REF	ER TO TABLE.3)

CAUTIONS CONCERNING SPECIFICATIONS, ASSEMBLY,
AND INSPECTION OF CUSTOM-MADE PRODUCTS

*DIFFERENCE FROM THE STANDARD TYPE,
{AW30~40-**(B,H)-2(J,N,R)}
1.HIGH PRESSURE SPECIFICATION.
2.LOW TEMP. SPECIFICATION.

NOTE

1.ACCESSORIES ARE PACKED TOGETHER.



3	REFER TO	TABLE.1	BOWL ASSEMBLY	-	1	BOWL MATERIAL:ADC
2	REFER TO	TABLE,2	BRACKET ASSEMBLY		1	
			SET NUT	POLYACETAL	1	
ITEM	PART	NO	PART NAME	MATERIAL	GTY	REMARKS

TABLE.3 DIMENSION OF EACH PART

OUT

(3)

2-A

_	ADLE.3 DIMENSION	OF EACH	PAR	_																		
	DWG No.	A		С	D	Ε	F	Н	J	L	М	S	Т	U	٧	W	X	Υ	Z	ΑА	CC	DD
A	W30-02~03(B,H)-2(J,N,R)-X2023	RC 1/4,3/8	RC	1/8	60	53	30	137	3,5	59	41	46	6,5	8	40	53	2,3	M38x1.5	31	7	19	38,5
Α	W40-02~04(B,H)-2(J,N,R)-X2023	RC 1/4,3/8,1/2	RC	1/4	60	70	38	159	1.5	75	50	57.5	8.5	10.5	54	70	2.3	M42x1.5	39	7	21	42.5
A	W40-06(B,H)-2(J,N,R)-X2023	Rc 3/4	RC	1/4	60	75	38	161	1.2	75	50	59	8.5	10.5	54	70	2.3	M42x1.5	40.5	7	21	42.5

MODEL No.

1SET NUT

② BRACKET ASSEMBLY AR30P-270AS

AW30

AR30P-260S

AW40 AW40-06 AR40P-260S

AR40P-270AS

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