

Note 1) Drain guide is NPT1/8 (applicable to the AF20) and NPT1/4 (applicable to the AF30 to AF60). The auto drain port comes with ø3/8" one-touch fitting (applicable to the AF30 to AF60)

Note 2) Drain guide is G1/8 (applicable to the AF20) and G1/4 (applicable to the AF30 to AF60)

Note 3) A bracket is not assembled and supplied loose at the time of shipment. Including 2 mounting screws

Note 4) Refer to Chemical Data on page 365 when selecting a case material. Note 5) Float type auto drain: The combination of C and D is not possible.

Note 6) Without a valve function

Note 7) Metal bowl: The combination of 2 and 8 is not possible. Note 8) 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.)

Note 9) O: For thread type: M5 and NPT only

**SMC** 

## Standard Specifications

Model	AF10	AF20	AF30	AF40	AF40-06	AF50	AF60				
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	1				
Fluid				Air							
Ambient and fluid temperature			–5 to	60°C (with no fre	eezing)						
Proof pressure				1.5 MPa							
Maximum operating pressure		1.0 MPa									
Nominal filtration rating		5 μm									
Drain capacity (cm <sup>3</sup> )	2.5	8	25		4	5					
Bowl material				Polycarbonate							
Bowl guard	_	Semi-standard		-	Standard						
Weight (kg)	0.06	0.10	0.22	0.45	0.49	0.99	1.05				

## **Options/Part No.**

Ontional appoifications		Model								
Optional specifications		AF10	AF20	AF30	AF40	AF40-06	AF50	AF60		
Bracket assembly Note 1)		_	AF20P-050AS	AF30P-050AS	AS AF40P-050AS AF40P-070AS AF50P-050AS			AF50P-050AS		
Flaget transporter algebra Note 2) Note 3)	N.C.	AD17	AD27	AD37		AD	47			
Float type auto drain	N.O.	—	—	AD38	AD48					

# Semi-standard/Bowl Assembly Part No.

Semi-standard/Bowl Assembly Part No. AF																
5	Semi-stan	dard spe	cification	S					Model							
Bowl material	Note 2) Note 3) Float type auto drain		Note 2) Note 3) Float type auto drain		Note 2) Note 3) Float type auto drain		Note 3) With drain	With barb	With bowl	AF10	AF20	AF30	AF40	AF40-06	AF50	AF60
	N.C.	N.O.	guide	intung	guaru											
	_	-	—	_		-	C2SF-C	_		-	-					
			_	_		—	AD27-C	_	_							
Polycarbonate				_	—	—	C2SF-J	C3SF-J		C4S	iF-J					
	_	-	—		-	—	-	C3SF-W	C4SF-W							
	—			_		-	C2SF-CJ	_	_							
			_	_		C1SF-6	C2SF-6	C3SF-6		C4S	F-6					
-	_	-	—	_		—	C2SF-6C	_		_	-					
			—	_		AD17-6	AD27-6	AD37-6		AD47-6						
Nylon			_			—	-	AD38-6	AD48-6							
NyIOII		-	—	_		—	AD27-6C	_	—							
	_	-		_	_	—	C2SF-6J	C3SF-6J		C4SF-6J						
			_			—	-	C3SF-6W		C4SF	-6W					
	—	-		_		—	C2SF-6CJ	_		_	-					
		-	—			C1SF-2	C2SF-2	C3SF-2		C4S	F-2					
Metal			_			AD17-2	AD27-2	AD37-2		AD4	7-2					
word			—	_	-	-	-	AD38-2		AD4	8-2					
	—	-		—	-	—	C2SF-2J	C3SF-2J		C4S	F-2J					
	—	-	—	_	_	—	-	C3LF-8		C4L	.F-8					
Metal bowl with		-	—	—	_	—	-	AD37-8		AD4	7-8					
level gauge	—		—	—	—	—		AD38-8		AD4	8-8					
	_			_		_	_	C3LF-8J		C4L	F-8J					

Note 1) Assembly of a bracket and 2 mounting screws Note 2) Minimum operating pressure: N.O. type–0.1 MPa; N.C. type–0.1 MPa (AD17/27) and 0.15 MPa (AD37/47). Please contact SMC for psi and °F unit specifications. Note 3) Please consult with SMC for details on drain piping to fit NPT or G port sizes. Note) + Bowl O-ring is included for the AF20 to AF60.

• Bowl assembly for the AF30 to AF60 models comes with a bowl guard (steel band material). (except when the bowl material is metal)

AW-A AC AF



# Series AF10 to AF60

# Flow Characteristics (Representative values)









# ▲ Specific Product Precautions

	 _
Be sure to read before handling.	 ī
Refer to front matter 43 for Safety Instructions and pages 365 to 369 for F.R.L. Precautions.	1
	 -

## Mounting and Adjustment

# **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.

**SMC** 

# Working Principle: Float Type Auto Drain

## N.O. type: AD38, AD48

## N.C. type: AD37, AD47





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



AF

#### 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 (0) is interrupted, and the outside air flows inside the bowl (1) through housing hole (9) and drain cock (1).

Therefore, if there is an accumulation of condensate in the bowl  $(\bar{\rm O}),$  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  $\bigcirc$  surpasses the force of spring 6, and the piston goes up.

This pushes seal (0 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  $\widehat{0}$  at this time, float  $\widehat{2}$  will be pulled down by its own weight, causing valve  $\widehat{4}$ , which is connected to lever  $\widehat{0}$ , to seal valve seat  $\widehat{5}$ .

#### 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  $\bigcirc$  to enter the chamber B. The result is that the combined pressure inside chamber B and the force of the spring B lowers the piston D. This causes the sealing action of seal B to be interrupted, and the accumulated condensate in the bowl D drains out through the drain cock D.

the bowl () drains out through the drain cock ()). Turning drain cock (i) manually counterclockwise lowers piston  $\overline{O}$ , which pushes open the seal created by seal (i), 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 (0) 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  $(\ensuremath{\mathbb{T}}),$  it will not drain out.

#### When pressure is applied inside the bowl:

Even when pressure is applied inside the bowl 0, the combined force of spring 0 and the pressure inside the bowl 0 keeps piston 0 in its upward position.

This maintains the seal created by the seal (1) 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 0 at this time float 2 will be pulled down by its own weight, causing value 3, which is connected to lever 3, to seal value seat 5.

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

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

The result is that the pressure inside chamber (\$ surpasses the force of the spring (\$) and pushes piston (?) downwards.

This causes the sealing action of seal (0) to be interrupted and the accumulated condensate in the bow(1) of trains out through the drain cock (1). Turning drain cock (1) manually counterclockwise lowers piston (2), which pushes open the seal created by seal (1), thus allowing the condensate to drain out.

#### When pressure inside the bowl is released:

Even when pressure inside the bowl  $\bigcirc$  is released, the weight of the float  $\bigcirc$  causes valve 0, which is connected to lever 0, to seal valve seat 0. As a result, the inside of the bowl  $\bigcirc$  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  $(\)$ , the weight of the float  $(\)$  and the differential pressure that is applied to valve  $(\)$  cause valve  $(\)$  to seal valve seat  $(\)$ , and the outside air is shut off from the inside of the bowl  $(\)$ .

#### 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.



# Series AF10 to AF60

## Construction



#### **Component Parts**

No.	Description	Material	Model	Color	
4	Body	Zinc die-cast	AF10	Platinum silvor	
'	Body	Aluminum die-cast	AF20 to AF60	r iduituiti silvei	
6	Housing	Aluminum die-cast	AF50, AF60	Platinum silver	

## **Replacement Parts**

No	Description	Motorial	Part no.								
INO.	Description	Material	AF10	AF20	AF30	AF40	AF40-06	AF50	AF60		
2	Filter element	Non-woven fabric	AF10P-060S	AF20P-060S	AF30P-060S	AF40P-060S		AF50P-060S	AF60P-060S		
3	Baffle	PBT	AF10P-040S Note 1)	AF20P-040S	AF30P-040S	AF40P-040S		AF50P-040S	AF60P-040S		
4	Bowl O-ring	NBR	C1SFP-260S	C2SFP-260S	C3SFP-260S	C4SFP-260S					
5	Bowl assembly Note 2)	Polycarbonate	C1SF	C2SF	C3SF Note 3)	C4SF Note 3)					

**SMC** 

Note 1) The material of the baffle for the AF10 (AF10P-040S) only is polyacetal. Note 2) Bowl O-ring is included. Please contact SMC regarding the bowl assembly supply for psi and °F unit specifications. Note 3) Bowl assembly for the AF30 to AF60 models comes with a bowl guard (steel band material).



50 54 26 8.5 10.5 70 2.3 35

50 54 25 8.5 10.5 70 2.3 34

**SMC** 

66 35 11 13 90 3.2 47

66 35 11 13 90 3.2 47

# Dimensions

AF30

**AF40** 

AF40-06

1/4, 3/8

1/4, 3/8, 1/2

3/4

53 | 129 | 14 | 26.5 | 30 | 50 | 26.5 | 41 | 40 | 23 | 6.5 | 8 | 53 | 2.3 | 30

70 165 18 35

75 | 169 | 20 | 35

AF50	3/4, 1	90	245	24	45	-	20	45	70
AF60	1	95	258	24	47.5	_	20	47.5	70
		0	-						
		Sem	-standar	a specili	cations				
Model	odel With barb fitting		rain guide	Meta	l bowl	Metal bo level g	wl with auge		
	В		в	B B			3		
AF10	_		_	66		-			
AF20	—		101	97		_			
AF30	137		136	1	42	16	2		
AF40	AF40 173		172	1	178		8		
AF40-06	177		176	1	82	20	2		
AF50	253		252	2	58	27	8		
AF60	266	1	265	2	71	29	1		

38 75 35

38 75 35

170

204

208

284

297



Made to Order

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 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	n no freezing)		
Material	Rubber parts	Special NBR	FKM		
wateriai	Main parts	Metal (Aluminum die-cast, etc.)			

## Applicable Model

Model	AF30	AF40	AF40-06	AF50	AF60
Port size	1/4, 3/8	1/4, 3/8, 1/2	3/4	3/4, 1	1



alphanumeric order. Example) AF30-03B-2R-X430

# temperature

X440 High temperature

$ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$										
		<u> </u>	<hr/>	Symbol	Description		Body	size		
			$\geq$			30	40	50	60	
				Nil	Rc					
2	Т	hrea	ad type	N Note 1)	NPT				•	
				F Note 2)	G		•	•	٠	
				+						
				02	1/4			—	-	
				03	3/8		•	-	-	
3		Por	t size 04		1/2	-		-	-	
-				06	3/4	-			_	
				10	1	-	-	٠	٠	
+										
	Option Nil			Nil	Without mounting option					
9	(	Μοι	inting)	B Note 3)	With bracket				•	
_	_			+						
5	E	Bowl	Note 4)	2	Metal bowl					
		_		+						
		2	Drain	Nil	With drain cock	•			•	
		a	port	J Note 5)	Drain guide 1/4					
	5	_		+			_			
	dar	h	Flow	Nil	Flow direction: Left to right					
	lan		direction	R	Flow direction: Right to left					
•	-S-		_	+						
	Sen		Pressure	Nil	Name plate and caution plate for bowl in imperial units: MPa	•	•	•	•	
		c	unit	Z Note 6)	Name plate and caution plate for bowl in imperial units: psi, °F	Note 7)	Note 7)	Note 7)	Note 7)	
	-									

Note 2) Drain guide is G1/4.

Note 3) A bracket is not assembled and supplied loose at the time of shipment.

Including 2 mounting screws

Note 4) Only metal bowl 2 is 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) ○: For thread type: NPT only

### 2 High Pressure

Strong materials are used in the manufacturing of air filters intended for high pressure operation.

## Specifications

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

### Applicable Model

Model	AF20	AF30	AF40	AF40-06	AF50	AF60
Port size	1/8, 1/4	1/4, 3/8	1/4, 3/8, 1/2	3/4	3/4, 1	1



For high pressure

Semi-standard: Select one each for a to c.

· Semi-standard symbol: When more than one specification is required,

indicate in alphanumeric order. Example) AF30-03B-2R-X425

$\left \right $	/							0		
		_	<hr/>	Symbol	Description		B	ody si	ze	
						20	30	40	50	60
				Nil	Rc					
2	Т	hre	ad type	Note 1)	NPT		٠	٠	٠	٠
-				F Note 2)	G		٠	٠	٠	٠
				+						
				01	1/8		-	-	—	-
				02	1/4				—	-
0		De	rt oizo	03	3/8	-			—	-
9		FU	IT SIZE	04	1/2	-	-	٠	-	-
				06	3/4	-	-			-
				10	1	-	-	—		•
				+						
		С	ption	Nil	Without mounting option		٠	•	٠	•
U	(	Mc	unting)	B Note 3)	With bracket					
				+					_	
6		Box	ul Note 4)	2	Metal bowl		•		٠	
•		501	VI	8	Metal bowl with level gauge					
		_	_	+			-		-	
			Droin	Nil	With drain cock		•			
		a	port	I Note 5)	Drain guide 1/8		-	—	—	—
				0	Drain guide 1/4	_				
	ard	_		+						
	p	F	Flow	Nil	Flow direction: Left to right			•		
6	-ste	_	direction	R	Flow direction: Right to left					
	j E	_		+						
	Š		Pressure	Nil	Name plate and caution plate for bowl in imperial units: MPa	•	•	•	•	•
			unit	Z Note 6)	Name plate and caution plate for bowl in imperial units: psi, °F	Note 7)				

T1/8 (applicable to the AF20) and NPT1/4 (applicable to the AF30 to AF60.

Note 2) Drain guide is G1/8 (applicable to the AF20) and G1/4 (applicable to the AF30 to AF60). Note 3) A bracket is not assembled and supplied loose at the time of shipment.

Including 2 mounting screws

Note 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

ain	capac	city is greater th	an that of	standard mod	els.								
nn	licab	le Model/Dr	ain Can	acity									
444	Mode	AF10	AF2	0 AF30	AF40	AF40-06	AF50	AF60					
Port	size	M5	1/8, 1	/4 1/4, 3/8	1/4, 3/8, 1/2	3/4	3/4, 1	1					
Drain	n capaci	ity (cm <sup>3</sup> ) 9	19	43		88							
lote) F	Please co	onsult with SMC for	dimensions.										
		ΔF 30		03 -	- X6	4							
						<u> </u>							
		0	2	34	6								
					+	Long bow	1						
• Ser	ni-stand	ard: Select one ea	ch for a to d	. than and anadifi	action is required	indicate in al	honumoria	ordor					
Exan	nple) AF	30-03B-2R-X64	. when mon	e triari one speciri	cation is required,	indicate in al	nanumene (	Jidei.					
_											D		
			Symbol		Descripti	ion				Body	y size		
								10	20	30	40	50	60
			Nil		Metric threa	d (M5)			—	-	—	—	—
2	Tł	hread type			Rc				•	•	•	•	•
			N Note 1)		NPT								
					G				•			•	
					M5					_			_
			01		1/8					_	_	_	
			02		1/4				•		•		
ß		Port size	03		3/8				_	•	•	_	—
- 			04		1/2				—	_	•	-	—
			06		3/4				-	-			—
			10		1				-	-	<u> </u>		
			+									-	-
4	Optic	on (Mounting)	Nil \	Nithout mountir	ng option				•	•		•	•
- L			Birote 3)	With bracket									
					oud								
			2	Metal howl	0000								
	a	Bowl Note 4)	6	Vylon bowl									
	1	2011	C	With bowl quare	1				Ĭ	<u> </u>	<u> </u>	<u> </u>	_
			6C	Nylon bowl with	bowl guard				•	-	-	-	-
			+	,	5					1		1	1
			Nil	With drain cock									
B	and and	Drain port	Note 5)	Drain guide 1/8						_	_	-	_
וש	a l-s	Drain port	<b>(</b>	Drain guide 1/4					-			•	
			W Note 6)	Drain cock with	barb fitting: For	ø6 x ø4 nyl	on tube		-				
	″		+						-				
	c	Flow direction	Nil	low direction: I	_eft to right				•	•	•	•	•
			R	-low direction: I	Right to left								
			+						-				_
	d	Pressure unit	Nil	Name plate and o	caution plate for b	owl in imperi	al units: MP	a 🖉					
			Note /)	Name plate and o	caution plate for b	owl in imperi	al units: nsi	°F     ( ) <sup>Note 8</sup>	( ) NOTE 8)	( ) NOTE 8)	( ) NOTE 8)	I ( ) NOTE 8)	( ) NOTE 8)

Note 2) Drain guide is G1/8 (applicable to the AF20) and G1/4 (applicable to the AF30 to AF60).

Note 3) A bracket is not assembled and supplied loose at the time of shipment. Including 2 mounting screws Note 6) Metal bowi: The combination with 2 is not possible. Note 7) For thread type: M5, 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) ⊖: For thread type: M5, NPT only

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**Air Filter** AF30 to AF60 Made to Order Specifications:



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

## **④ With Element Service Indicator**

Clogging status of elements can be checked visually.

### Applicable Model

Model	AF30	AF40	AF40-06	AF50	AF60
Port size	1/4, 3/8	1/4, 3/8, 1/2	3/4	3/4, 1	1



With element service indicator

A special body type is required to mount the clogging checker. It cannot be mounted on a standard body.

· 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) AF30-03BD-2R-X2141

	/	_					(		
				Symbol	Description		Body	size	
						30	40	50	60
				Nil	Rc				
0		TI	nread type	N Note 1)	NPT		۲	۲	
-				F Note 2)	G		•	•	
				+					
				02	1/4			—	—
				03	3/8	•		—	—
6			Port size	04	1/2	-		—	—
				06	3/4	-			—
				10	1	_	—		
				+					
		•	Mounting	Nil	Without mounting option				
		a	wounting	B Note 3)	With bracket	•			
	lo			+					
9	D D		Elect type	Nil	Without auto drain				
		b	auto drain	С	Float type auto drain (N.C.)				
			auto aram	D	Float type auto drain (N.O.)				
				+					
				Nil	Polycarbonate bowl				
		-	Bowd Note 4)	2	Metal bowl	•	•	•	
		Ľ	DOWI	6	Nylon bowl				
				8	Metal bowl with level gauge				
	-			+					
	dar			Nil	With drain cock				
A	an	d	Drain port Note 5)	J Note 6)	Drain guide 1/4				
9	-st			W Note 7)	Drain cock with barb fitting: For ø6 x ø4 nylon tube	•			
	Ser			+					
			Flow direction	Nil	Flow direction: Left to right				
		e	Flow direction	R	Flow direction: Right to left				
		_		+					
		f	Pressure unit	Nil	Name plate and caution plate for bowl in imperial units: MPa				
			i ressure unit	Z Note 8)	Name plate and caution plate for bowl in imperial units: psi, °F	O Note 9)	O Note 9)	O Note 9)	O Note 9)
Note	1) D	rain o	uide is NPT1/4.		Note 6) Without a valve fur	nction			

The auto drain port comes with ø3/8" One-touch fitting.

Note 2) Drain guide is G1/4.

Note 3) Option B is not assembled and supplied loose at the time of shipment. Including 2 mounting screws Note 4) Refer to Chemical Data on page 365 when selecting a case material.

Note 5) Float type auto drain: The combination of C and D is not possible.

Note 6) Without a valve function Note 7) Metal bowl: The combination of 2 and 8 is not possible.

Note 8) 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 9) ⊖: For thread type: NPT only









## NOTE

1		BR.	AC	K	Ε	Т	ł	15	ŝS	Ε	М	31	. Y	٢.	1	S		Ρ	A	CI	KE	Ξ	D	Т	0(	36	T	Η	E	R						
2		ΤH	15	i	Ρ	R	00	)(	JC	Т		ΞI	15	U	R	Е	s		N	0	ł	=	хT	E	RI	NA	1L		L	E	AH	( A	GE			
		AT	L	.0	W	E	R	A	AN	D		J	P	E	R		L	1	М	Ľ	T		OF		AI	ME	3 1	E	N	Т	1	í E	MP	۰.		
	1	CH.	AR	A	C	T	EF	21	S	Т	1	25	3	A	R	Е		С	Ē	N	-	Ĺ	RM	Е	D	ļ	1	•	N	0	RN	1.P	AL.	Т	EMP	٥.

CAUTIONS CONCERNING SPECIFICATIONS, ASSEMBLY, AND INSPECTION OF CUSTOM-MADE PRODUCTS #DIFFERENCE FROM THE STANDARD TYPE, (AF20-F01-F02(B)-2(R)) 1.PARTS IN THE T TLE COLUMN DIFFER FROM STANDARD. 2.LOW TEMP. ENVIRONMENTAL SPECIFICATION. 3.APPLY TEFLON GREASE (SMC-GF1).



70

▼ 🖻 × (◊ 0

4-M4x0.7x5

MOUNTING THREAD

BRACKET

26

40





4	C2SF-2-X2220	BOWL ASSEMBLY		1	BOWL MATERIAL:ADC
З	AF20P-060S-7-58	ELEMENT	SINTERED BRONZE	1	
2	AF20P-040S-X430	BAFFLE PLATE	PBT	1	
1	AF20P-030-X430	DEFLECTOR	PBT	1	
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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1.BRACKET ASSEMBLY IS PACKED TOGETHER.

CAUTIONS CONCERNING SPECIFICATIONS, ASSEMBLY, AND INSPECTION OF CUSTOM-MADE PRODUCTS \*DIFFERENCE FROM THE STANDARD TYPE. {AF30~60-N\*\*(B)-2(J.R)-X430} 1. THE PROOF PRESS. AND MAX.WORKING PRESS. ARE DIFFERENT.

AF30

0

2

2 J

 $\square$ 

NPT 1/4

HEX.17

136

OPTIONS

EXTERNAL

DRAVING

APPEARANCE

IN

AF40~60

2 J

NPT 1/4

HEX.17

172

176

252

265

2R

2

<u>م</u>

OPEN SHUT

167

171

246

260

2

TABLE.2 INDICATION OF AIR FLOW DIRECTION

OUT

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TABLE	. 4
MODEL NO.	②BRACKET ASSEMBLY
AF30	AF30P-050AS
AF40	AF40P-050AS
AF40-N06	AF40P-070AS
AF50	AF50P-050AS
AF60	AF50P-050AS

2 REFER TO TABLE,	BRACKET ASSEMBLY		1	
1 REFER TO TABLE.	BOWL ASSEMBLY		1	
TEM PART NO	PART NAME	MATERIAL	QTY	REMARKS

TABLE.3 DIMENSION OF EACH PART

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DWG NO.	А	С	E	F	G	Н	J	K	L	М	Ν	Ρ	Q	R	S	Т
AF30-N02~N03(B)-2(J,R)-X2023	NPT 1/4,3/8	53	14	53	57	16	41	40	23	6.5	8	53	2.3	35	44	M4x0.7x5
AF40-N02~N04(B)-2(J,R)-X2023	NPT 1/4,3/8,1/2	70	18	70	73	17	50	54	26	8.5	10.5	70	2.3	47	60	M5x0.8x8
AF40-N06(B)-2(J,R)-X2023	NPT 3/4	75	20	70	73	14	50	54	25	8.5	10.5	70	2.3	47	60	M5x0.8x8
AF50-N06~N10(B)-2(J,R)-X2023	NPT 3/4, 1	90	24	90	—	23	70	66	35	11	13	90	3.2	59	73	M6X1
AF60-N10(B)-2(J,R)-X2023	NPT 1	95	24	95	—	23	70	66	35	11	13	90	3,2	63	78	M6 X 1

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.

Pneumatic Instrumentation Equipment	Port Valves for Fluid Control	Fittings and Tubing	Flow Control Equipment	Pressure Control Equipment	F.R.L. AL AR AF AW	Rotary Actuator	Air Grippers	Air Cylinders	Valves C-E13-4A 2016-7
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