Air Filter
Series AF10 to 60

How to Order

AF **30** – **F** **03** **BD** – **2R**

- **Air filter**
- **Body size**: 10, 20, 30, 40, 50, 60
- **Thread type**

Nil	Metric thread (M5)
	Rc
N (1)	NPT
F (2)	G

- **Port size**

Symbol	Port size	Body size 10	20	30	40	50	60
M5	M5	●	—	—	—	—	—
01	1/8	—	●	—	—	—	—
02	1/4	—	●	●	●	—	—
03	3/8	—	—	●	●	—	—
04	1/2	—	—	—	●	—	—
06	3/4	—	—	—	●	●	—
10	1	—	—	—	—	●	●

- **Accessory**

Symbol	Description	Applicable model
Nil	—	—
B (3)	With bracket	AF20 to 60
C	Float type (4) auto-drain (N.C.)	AF10 to 60
D	Float type (4) auto-drain (N.O.)	AF30 to 60

- **Option**

Symbol	Description	Applicable model
2	Metal bowl	AF10 to 60
6	Nylon bowl	AF10 to 60
8	Metal bowl with level gauge	AF30 to 60
C	With bowl guard	AF20
J (5)	Drain guide 1/4	AF30 to 60
R	Flow direction: Right → Left	AF10 to 60
W	Drain cock with barb fitting: ø6 x ø4 nylon tubing	AF30 to 60
Z (6)	Name plate and caution plate for bowl in imperial units (PSI, °F)	AF10 to 60

Note 1) Drain guide is NPT 1/4 (applicable to AF30 to 60), and the exhaust port for auto-drain comes with ø3/8" One-touch fitting (applicable to AF30 to 60).

Note 2) Drain guide is G 1/4 (applicable to AF30 to 60).

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

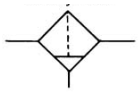
Note 4) Applicable tubing O.D for auto-drain connection should be ø3/8" in case NPT thread port is chosen.

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

Note 5) Without a valve function.

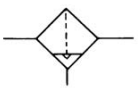
Note 6) This product is for overseas use only according to the new Measurement Law. (The SI unit type is provided for use in Japan.)

JIS Symbol



With auto-drain

JIS Symbol



Accessory/Optional Specifications Combinations

◎ : Combination available ○ : Varies depending on the model ■ : Combination not available △ : Available only with NPT thread

Accessory/Optional specifications \ Combination		Symbol	Accessory B	C	D	Optional specifications 2	6	8	C	J	R	W	Z	Applicable filter AF10	AF20	AF30 to 60
Accessory	With bracket	**B**	■	◎	○	◎	◎	○	○	○	◎	○	△	■	◎	◎
	Float type auto-drain (N.C.)	**C**	○	■	■	◎	◎	○	○	■	◎	■	△	◎	◎	◎
	Float type auto-drain (N.O.)	**D**	◎	■	■	◎	◎	◎	■	■	◎	■	△	■	■	◎
Optional specifications	Metal bowl	**-2**	○	◎	○	■	■	■	■	○	◎	■	△	◎	◎	◎
	Nylon bowl	**-6**	○	◎	○	■	■	■	○	○	◎	○	△	◎	◎	◎
	Metal bowl with level gauge	**-8**	◎	◎	◎	■	■	■	■	◎	◎	■	△	■	■	◎
	With bowl guard	**-C**	◎	◎	■	■	◎	■	■	■	◎	■	△	■	◎	■
	Drain guide 1/4	**-J**	◎	■	■	◎	◎	◎	■	■	◎	■	△	■	■	◎
	Flow direction: Right → Left	**-R**	○	◎	○	◎	◎	○	○	○	■	○	△	◎	◎	◎
	Drain cock with barb fitting: ø6 x ø4 nylon tubing	**-W**	◎	■	■	■	◎	■	■	■	◎	■	△	■	■	◎
	Name plate and caution plate for bowl in imperial units (PSI, °F)	**-Z**	△	△	△	△	△	△	△	△	△	△	■	△	△	△

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						
Proof pressure	1.5 MPa						
Maximum operating pressure	1.0 MPa						
Ambient and fluid temperature	–5 to 60°C (With no freezing)						
Nominal filtration rating	5 μm						
Bowl material	Polycarbonate						
Bowl guard	—	Option	Standard				
Drain capacity (cm^3)	2.5	8	25	45	45	45	45
Weight (kg)	0.06	0.18	0.22	0.45	0.49	0.99	1.05

Accessory Part No.

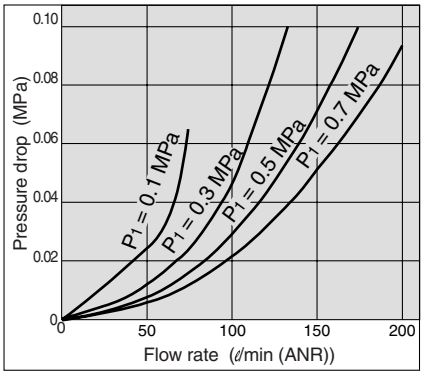
Accessory \ Applicable model		AF10	AF20	AF30	AF40	AF40-06	AF50	AF60
Bracket assembly (1)		—	AF20P-050AS	AF30P-050AS	AF40P-050AS	AF40P-070AS	AF50P-050AS	AF50P-050AS
Float type (2) auto-drain	N.O.	—	—	AD38 / AD38N(3)	AD48 / AD48N(3)	AD48 / AD48N(3)	AD48 / AD48N(3)	AD48 / AD48N(3)
	N.C.	AD17	AD27	AD37 / AD37N(3)	AD47 / AD47N(3)	AD47 / AD47N(3)	AD47 / AD47N(3)	AD47 / AD47N(3)

Note 1) Assembly includes 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).
Note 3) When "N" is specified in the end of part number of auto-drain, applicable tubing O.D should be ø3/8".

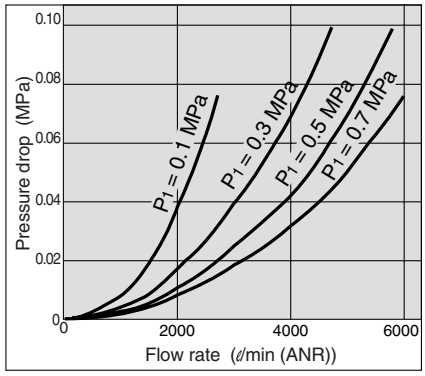
Made to Order P. 14-2-39

Flow Characteristics (Representative values)

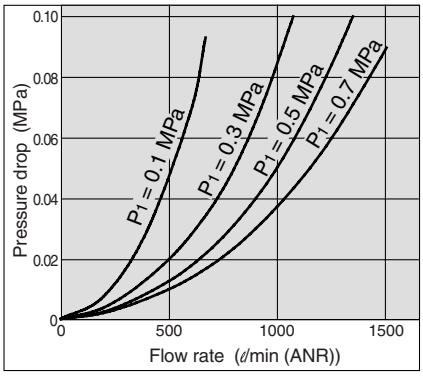
AF10 M5



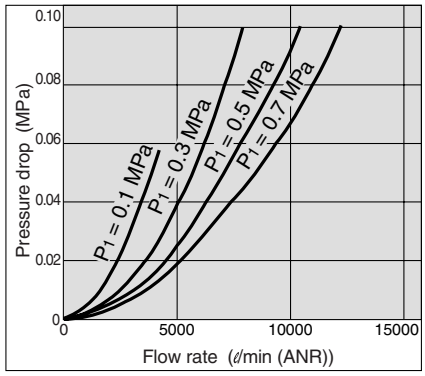
AF40-06 Rc 3/4



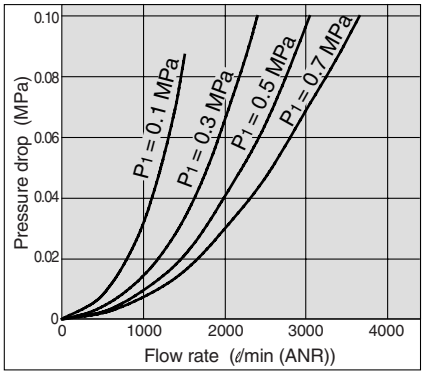
AF20 Rc 1/4



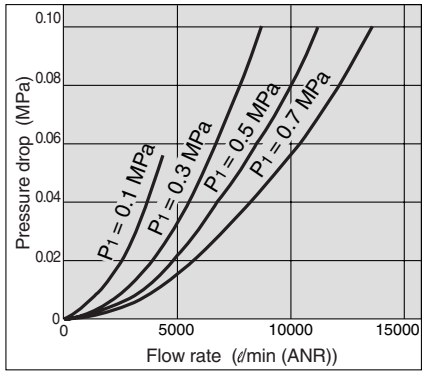
AF50 Rc 1



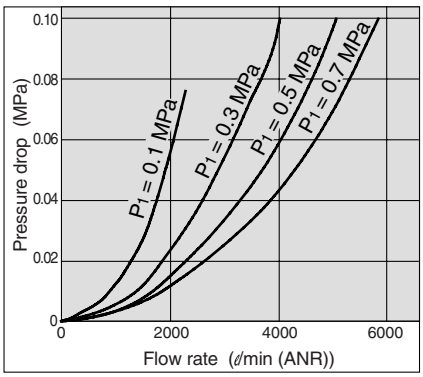
AF30 Rc 3/8



AF60 Rc 1



AF40 Rc 1/2



⚠ Precautions

Be sure to read before handling. Refer to pages 14-21-3 to 14-21-4 for Safety Instructions and Common Precautions.

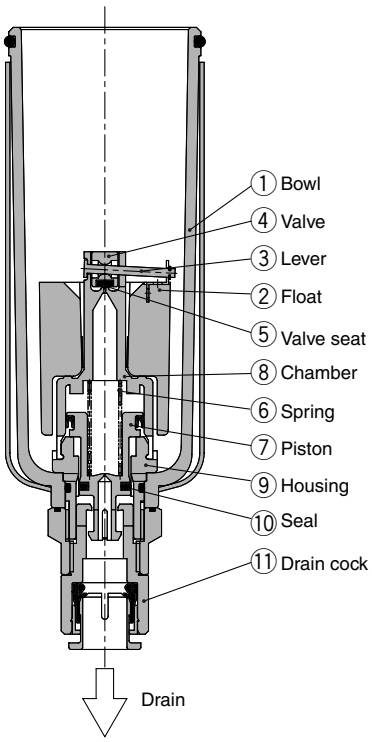
Maintenance

⚠ 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.

Working Principle: Float Type Auto Drain

N.O. type: AD38/48



- **When the 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 the 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 the 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:**

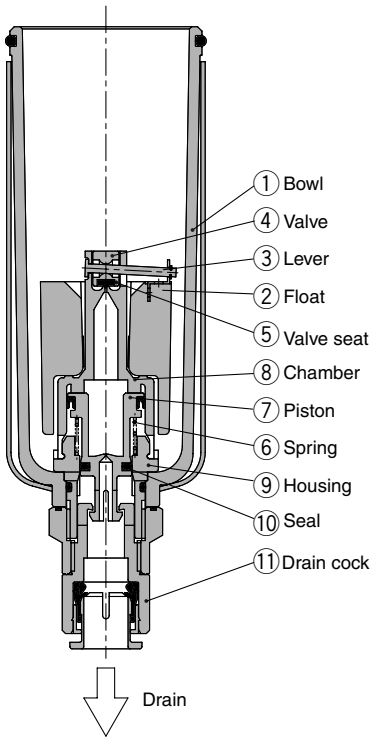
  Float ② rises due to its own buoyancy and pushes open the seal created by the valve seat, ⑤.

  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, lower 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.

N.C. type: AD37/47



- **When the 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 shutting the outside air from inside the bowl ①.

  Therefore, even if there should be some condensate accumulation inside 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 shutting the outside air from inside the bowl ①.

  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:**

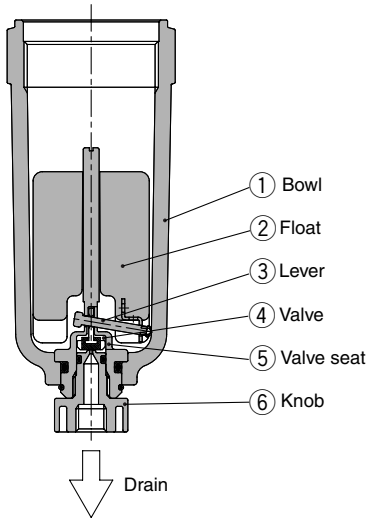
  Float ② rises due to its own buoyancy and pushes open the seal created by the valve seat ⑤. Pressure passes from the bowl to chamber ⑧.

  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.

Compact auto-drain N.C. type: AD17/27



- **When the 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:**

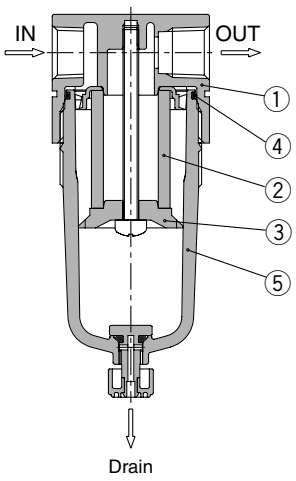
  Float ② rises due to its own buoyancy and the seal at valve seat ⑤ is interrupted.

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

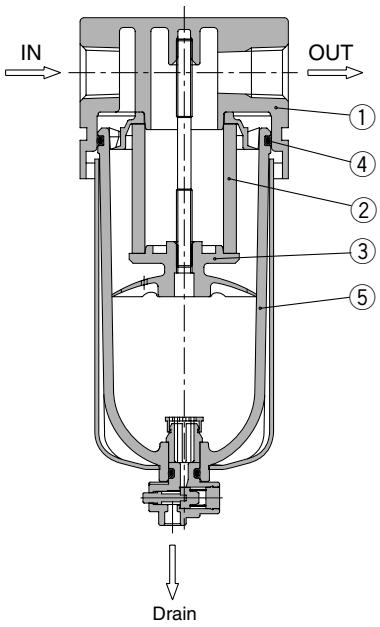
  Turning knob ⑥ manually counterclockwise lowers it and causes the sealing action of valve seat ⑤ to be interrupted, thus allowing the condensate to drain out.

Construction

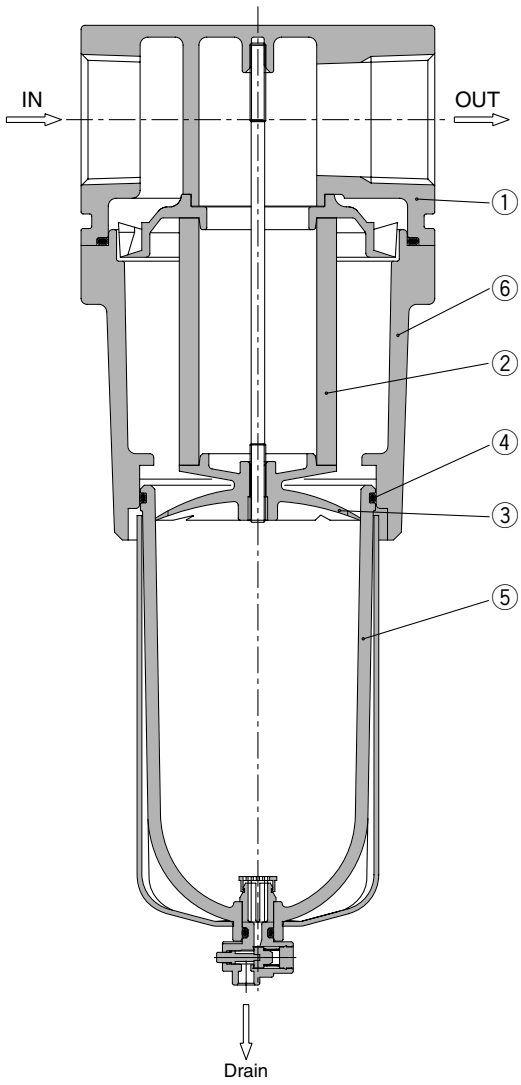
AF10/20



AF30/40



AF50/60



Component Parts

No.	Description	Material			Color
		AF10/20	**AF30/40/40-06**	**AF50/60**	
①	Body	Zinc die-casted	Aluminum die-casted		Platinum silver
⑥	Housing	—		Aluminum die-casted	Platinum silver

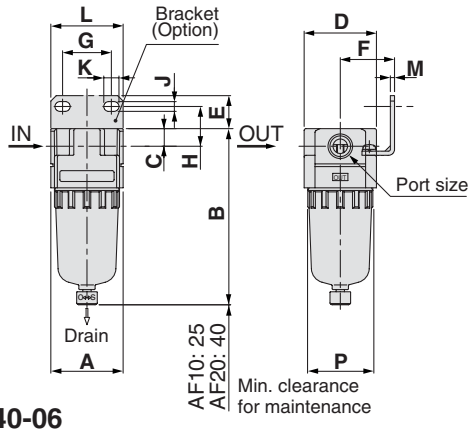
Air Filter Replacement Parts

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

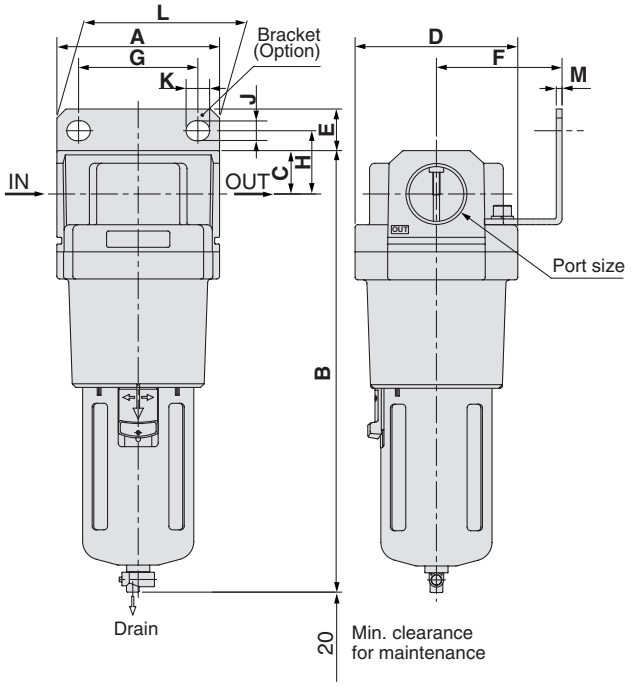
Note 1) The material of the baffle for AF10 (AF10P-040S) only is POM.
Note 2) Please contact SMC regarding the bowl assembly supply for PSI and °F unit specifications.
Note 3) Bowl assembly for AF30 to 60 models comes with a bowl guard (steel band material).

Dimensions

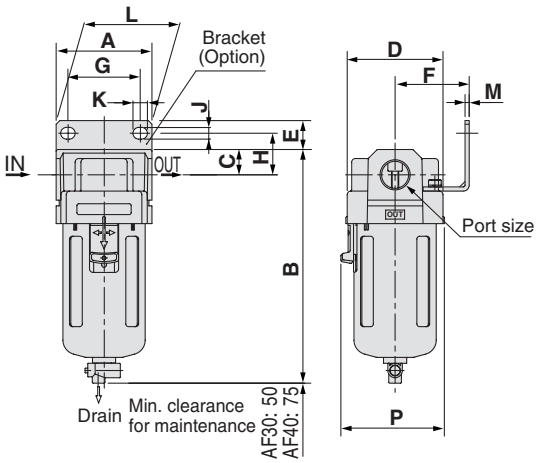
AF10/20

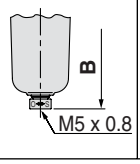
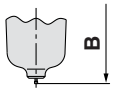
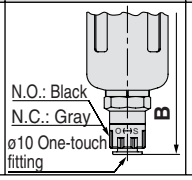
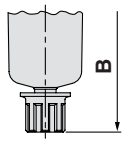
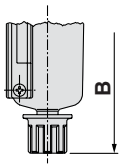
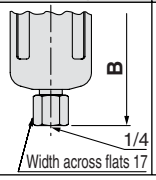
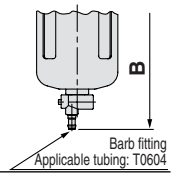


AF50/60



AF30/40/40-06



Applicable model	AF10, AF20		AF30, AF40, AF40-06, AF50, AF60				
	With auto-drain (N.C.)	Metal bowl	With auto-drain (N.O./N.C.)	Metal bowl	Metal bowl with level gauge	With drain guide	Drain cock with barb fitting
Optional specifications							

(mm)

Model	Port size	Standard specifications					Accessory specifications								
							Bracket mounting size								With auto-drain
		A	B	C	D	P	E	F	G	H	J	K	L	M	B
AF10	M5 x 0.8	25	67	7	25	28	—	—	—	—	—	—	—	—	85
AF20	1/8, 1/4	40	97	10	40	—	18	30	27	22	5.4	8.4	40	2.3	115
AF30	1/4, 3/8	53	129	14	53	57	16	41	40	23	6.5	8	53	2.3	170
AF40	1/4, 3/8, 1/2	70	165	18	70	73	17	50	54	26	8.5	10.5	70	2.3	204
AF40-06	3/4	75	169	20	70	73	14	50	54	25	8.5	10.5	70	2.3	208
AF50	3/4, 1	90	245	24	90	—	23	70	66	35	11	13	90	3.2	284
AF60	1	95	258	24	95	—	23	70	66	35	11	13	90	3.2	297

Model	Optional specifications			
	With drain guide	With barb fitting	Metal bowl	Metal bowl with level gauge
	B	B	B	B
AF10	—	—	66	—
AF20	—	—	97	—
AF30	136	137	142	162
AF40	172	173	178	198
AF40-06	176	177	182	202
AF50	252	253	258	278
AF60	265	266	271	291

Air Filter *Series AF20 to 60*

Made to Order Specifications:

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

Made to Order

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

Part no.		-X430	-X440
Environment		Low temperature	High temperature
Ambient temperature		–30 to 60°C	–5 to 80°C
Fluid temperature		–5 to 60°C (With no freezing)	
Material	Rubber parts	Special NBR	FPM
	Main parts	Metal (Aluminum die-casted)	

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

How to Order

AF 30 – F 03 B – 2 R – X430

Air filter

Body size

30	40	50	60

Thread type

Nil	Rc
N (2)	NPT
F (3)	G

Note 1) Drain guide is NPT 1/4 (applicable to AC30 to 60)
Note 2) Drain guide is G 1/4 (applicable to AF30 to 60).

Port size

Symbol	Port size	Body size			
		30	40	50	60
02	1/4	●	●	—	—
03	3/8	●	●	—	—
04	1/2	●	●	—	—
06	3/4	—	●	●	—
10	1	—	—	●	●

For high/low temperature

X430	Low temperature
X440	High temperature

Option

Symbol	Description	Applicable model
J (5)	Drain guide 1/4	AF30 to 60
R	Flow direction: Rightt → Left	AF30 to 60
Z (6)	Name plate and caution plate for bowl in imperial units (PSI, °F)	AF30 to 60

∗ When more than one specification is required, indicate in ascending alphanumeric order.
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.)

Bowl

Symbol	Description	Applicable model
2 (4)	Metal bowl	AF30 to 60

Note 4) Only metal bowl available.

Option

Symbol	Description	Applicable model
Nil	—	—
B (3)	With bracket	AF30 to 60

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

2. High Pressure

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

Specifications

Part no.	-X425
Proof pressure	3.0 MPa
Maximum operating pressure	2.0 MPa
Ambient and fluid temperature	–5 to 60°C (With no freezing)

Applicable Model

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

How to Order

AF 30 – F 03 B – 2 R – X425

Air filter

Body size

20	30	40	50	60

Thread type

Nil	Rc
N (1)	NPT
F (2)	G

Note 1) Drain guide is NPT 1/4 (applicable to AF30 to 60)
Note 2) Drain guide is G 1/4 (applicable to AF30 to 60).

Port size

Symbol	Port size	Body size				
		20	30	40	50	60
01	1/8	●	—	—	—	—
02	1/4	●	●	●	—	—
03	3/8	—	●	●	—	—
04	1/2	—	—	●	—	—
06	3/4	—	—	●	●	—
10	1	—	—	—	●	●

For high pressure

Optional

Symbol	Description	Applicable model
J (5)	Drain guide 1/4	AF30 to 60
R	Flow direction: Right → Left	AF20 to 60
Z (6)	Name plate and caution plate for bowl in imperial units (PSI, °F)	AF20 to 60

∗ When more than one specification is required, indicate in ascending alphanumeric order.
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.)

Bowl

Symbol	Description	Applicable model
2 (4)	Metal bowl	AF20 to 60
8 (3)	Metal bowl with level gauge	AF30 to 60

Note 4) Only metal bowl or metal bowl with level gauge available.

Option

Symbol	Description	Applicable model
Nil	—	—
B (3)	With bracket	AF20 to 60

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

Note) Please contact SMC regarding the detailed dimensions and optional availability.

Large Flow Air Filter
Series AF800/900

Standard Specifications

Model	AF800	AF900
Port size	1¼ 1½	2
Proof pressure	1.5 MPa	
Maximum operating pressure	1.0 MPa	
Ambient and fluid temperature	–5 to 60°C (No freezing)	
Filtration	Standard specifications: 5 μm Option: 2, 10, 20, 40, 70, 100 μm	
Bowl material	Polycarbonate	
Bowl capacity (cm³)	180	
Weight (kg)	3.15	5.45
Accessory (Standard)	Bowl guard	

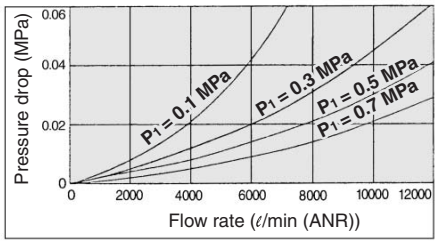
Accessory (Option)/Part No.

Description	Model	Part no. AF8□□	Part no. AF9□□
Float type auto-drain * Auto-drain (Bowl assembly)	N.O	AD34 (Bowl material: Nylon)	AD34 (Bowl material: Nylon)
	N.C	AD16M (Bowl material: Polycarbonate)	AD16M (Bowl material: Polycarbonate)

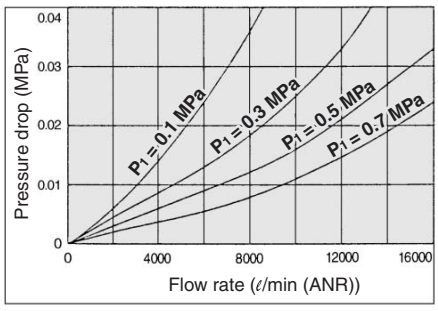
* Min. operating pressure: 0.1 MPa (N.O.), 0.15 MPa (N.C.)

Flow Characteristics

AF800 Rc 1½



AF900 Rc 2



How to Order

AF | **8** | **00** | **–** | **12** | **127** | **–** | **R**

Air filter

Body size

8	1½
9	2

Auto-drain specifications

00	None
10	Float type auto-drain (N.C.)
11	Float type auto-drain (N.O.)

Thread type

Nil	Rc
N	NPT
F	G

Port size

12	1 1/4
14	1 1/2
20	2

Option

1 *1	Optional filtration rate
2	Metal bowl
6	Nylon bowl
7 *2	Stainless steel element
8	Metal bowl with level gauge
9 *3	Without drain cock

Option

D	Drain cock thread piping {Rc 1/4}
J□ *4	Drain guide
R	Flow direction: From Right → Left

Note 1) When specifiying more than one number, indicate them in numerical order.
(Ex.) 127-40

Note 2) When specifying more than one alphabet symbol, indicate them alphabetically and put "–" between them.
(Ex.) D-R

Note 3) Options for "2", "6", and "8" can not be specified at the same time.
(Ex.) 68

Note 4) Symbols "9", "D", "J" can not be specified at the same time.
(Ex.) 9-D-J

Note 5) For products with auto-drain, either symbol "D" or "J" cannot be specified at the same time because of female threads (3/8 or 1/8), for connection to drain piping.

Note 6) For N.C. type with auto-drain, metal case with liquid level indicator is not available.

* 1 Indicate the required filtration rate after the symbol "1".
Ex.) When 40 μm is rquired: 1-40

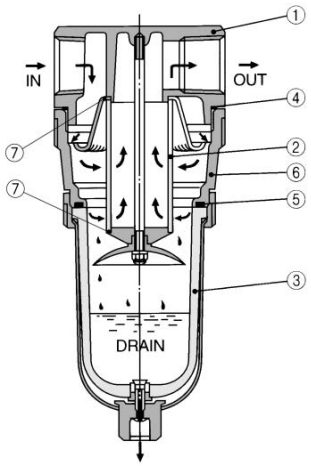
* 2 If indicating "7" only, the filtration rate is 5 μm. Optional filtration rate is required, indicate like 17-□.
Ex.) When requiring "stainless steel and 40 μm"; 17-40

* 3 The bowl of series AL is used.

* 4 This symbol "□" indicates the port size.

1	Rc 1/4
6	NPT 1/4
8	G 1/4

Construction



Component Parts

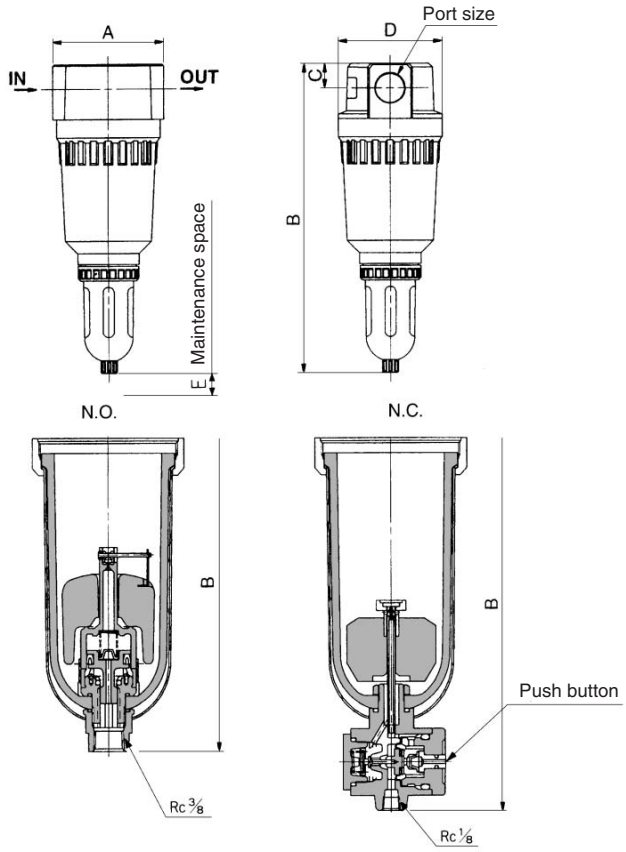
No.	Description	Material		Note
		AF800	AF900	
①	Body	Aluminum die-casted	Aluminum die-casted	Platinum silver painted
⑥	Housing	Aluminum die-casted	Aluminum die-casted	Platinum silver painted

Replacement Parts

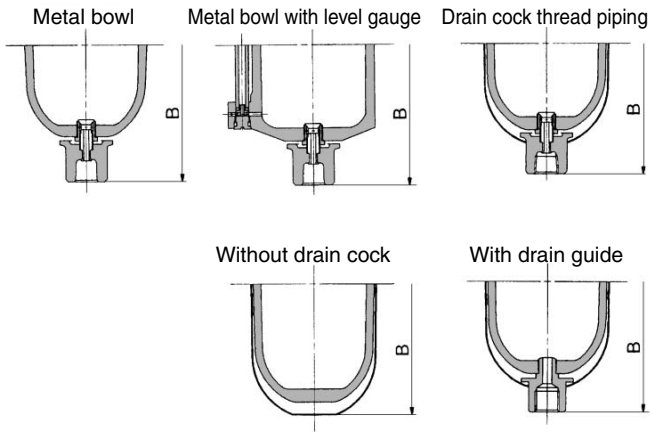
No.	Description	Material	Part no.	
			AF800	AF900
②	Element	Bronze	11345-5B	11352-5B
③	Bowl assembly *	—	AF11-4	AF11-4
④	O-ring	NBR	JIS B2401 G130	630332
⑤	O-ring	NBR	113136	113136
⑦	Gasket for element	NBR	11217	112310

* Bowl (polycarbonate), drain cock, bowl guard and clamp ring are assembled. Assembly part no. for bowl (polycarbonate) and drain cock is 11316A (for AF800/900).

Dimensions



Option



Option/Dimensions

Model	B (Without auto-drain)				
	Metal bowl	Metal bowl with level gauge	Without drain cock	Drain cock thread piping	With drain guide
AF800	409	440.5	393.5	410	406.5
AF900	489	520.5	473.5	490	486.5

Model	A	B	C	D	B (With auto-drain)		E
					N.O	N.C	
AF800	150	410	33	140	439	440	200
AF900	200	490	46	170	519	520	260

⚠ Precautions

Be sure to read before handling. Refer to pages 14-21-3 and 14-21-4 for Safety Instructions and Common Precautions.

Selection

⚠ Warning

Use auto-drain under the following conditions.
Otherwise, it may result in a malfunction.

1. Float type auto-drain (N.O.)
1) Use compressor with capacity more than 3.7 kw {400 ℓ/min (ANR)}.
2) Set pressure more than 0.1 MPa.

2. Float type auto-drain (N.C.)
1) Compressor can be used even if energy is under 3.7 kw.
2) Set pressure more than 0.15 MP

Piping

⚠ Warning

Be sure to pipe auto-drain under the following conditions.
Otherwise, it may result in a malfunction.

1. Float type auto-drain (N.O.)
When making drain exhaust piping, use piping with bore size ø10 or larger than ø10.
Length should be shorter than 5 m. Do NOT make upward piping.

2. Float type auto-drain (N.C.)
DO NOT pipe upwards.

Air Filter *Series AF20 to 60*

Made to Order Specifications:

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

Made to Order

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

Part no.		-X430	-X440
Environment		Low temperature	High temperature
Ambient temperature		–30 to 60°C	–5 to 80°C
Fluid temperature		–5 to 60°C (With no freezing)	
Material	Rubber parts	Special NBR	FPM
	Main parts	Metal (Aluminum die-casted)	

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

How to Order

AF 30 – F 03 B – 2 R – X430

Air filter

Body size

30	40	50	60

Thread type

Nil	Rc
N (2)	NPT
F (3)	G

Note 1) Drain guide is NPT 1/4 (applicable to AC30 to 60)
Note 2) Drain guide is G 1/4 (applicable to AF30 to 60).

Port size

Symbol	Port size	Body size			
		30	40	50	60
02	1/4	●	●	—	—
03	3/8	●	●	—	—
04	1/2	●	●	—	—
06	3/4	—	●	●	—
10	1	—	—	●	●

For high/low temperature

X430	Low temperature
X440	High temperature

Option

Symbol	Description	Applicable model
J (5)	Drain guide 1/4	AF30 to 60
R	Flow direction: Rightt → Left	AF30 to 60
Z (6)	Name plate and caution plate for bowl in imperial units (PSI, °F)	AF30 to 60

∗ When more than one specification is required, indicate in ascending alphanumeric order.
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.)

Bowl

Symbol	Description	Applicable model
2 (4)	Metal bowl	AF30 to 60

Note 4) Only metal bowl available.

Option

Symbol	Description	Applicable model
Nil	—	—
B (3)	With bracket	AF30 to 60

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

2. High Pressure

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

Specifications

Part no.	-X425
Proof pressure	3.0 MPa
Maximum operating pressure	2.0 MPa
Ambient and fluid temperature	–5 to 60°C (With no freezing)

Applicable Model

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

How to Order

AF 30 – F 03 B – 2 R – X425

Air filter

Body size

20	30	40	50	60

Thread type

Nil	Rc
N (1)	NPT
F (2)	G

Note 1) Drain guide is NPT 1/4 (applicable to AF30 to 60)
Note 2) Drain guide is G 1/4 (applicable to AF30 to 60).

Port size

Symbol	Port size	Body size				
		20	30	40	50	60
01	1/8	●	—	—	—	—
02	1/4	●	●	●	—	—
03	3/8	—	●	●	—	—
04	1/2	—	—	●	—	—
06	3/4	—	—	●	●	—
10	1	—	—	—	●	●

For high pressure

Optional

Symbol	Description	Applicable model
J (5)	Drain guide 1/4	AF30 to 60
R	Flow direction: Right → Left	AF20 to 60
Z (6)	Name plate and caution plate for bowl in imperial units (PSI, °F)	AF20 to 60

∗ When more than one specification is required, indicate in ascending alphanumeric order.
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.)

Bowl

Symbol	Description	Applicable model
2 (4)	Metal bowl	AF20 to 60
8 (3)	Metal bowl with level gauge	AF30 to 60

Note 4) Only metal bowl or metal bowl with level gauge available.

Option

Symbol	Description	Applicable model
Nil	—	—
B (3)	With bracket	AF20 to 60

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

Note) Please contact SMC regarding the detailed dimensions and optional availability.

Safety Instructions

These safety instructions are intended to prevent a hazardous situation and/or equipment damage. These instructions indicate the level of potential hazard by labels of **"Caution", "Warning"** or **"Danger"**. To ensure safety, be sure to observe ISO 4414 Note 1), JIS B 8370 Note 2) and other safety practices.

⚠ **Caution :** Operator error could result in injury or equipment damage.

⚠ **Warning :** Operator error could result in serious injury or loss of life.

⚠ **Danger :** In extreme conditions, there is a possible result of serious injury or loss of life.

Note 1) ISO 4414: Pneumatic fluid power--General rules relating to systems.
Note 2) JIS B 8370: General Rules for Pneumatic Equipment

⚠ Warning

1. The compatibility of pneumatic equipment is the responsibility of the person who designs the pneumatic system or decides its specifications.

Since the products specified here are used in various operating conditions, their compatibility for the specific pneumatic system must be based on specifications or after analysis and/or tests to meet your specific requirements. The expected performance and safety assurance will be the responsibility of the person who has determined the compatibility of the system. This person should continuously review the suitability of all items specified, referring to the latest catalog information with a view to giving due consideration to any possibility of equipment failure when configuring a system.

2. Only trained personnel should operate pneumatically operated machinery and equipment.

Compressed air can be dangerous if an operator is unfamiliar with it. Assembly, handling or repair of pneumatic systems should be performed by trained and experienced operators.

3. Do not service machinery/equipment or attempt to remove components until safety is confirmed.

1. Inspection and maintenance of machinery/equipment should only be performed once measures to prevent falling or runaway of the driver objects have been confirmed.
2. When equipment is to be removed, confirm the safety process as mentioned above. Cut the supply pressure for this equipment and exhaust all residual compressed air in the system.
3. Before machinery/equipment is restarted, take measures to prevent shooting-out of cylinder piston rod, etc.

4. Contact SMC if the product is to be used in any of the following conditions:

1. Conditions and environments beyond the given specifications, or if product is used outdoors.
2. Installation on equipment in conjunction with atomic energy, railway, air navigation, vehicles, medical equipment, food and beverages, recreation equipment, emergency stop circuits, clutch and brake circuits in press applications, or safety equipment.
3. An application which has the possibility of having negative effects on people, property, or animals, requiring special safety analysis.

Common Precautions

Be sure to read before handling.
For detailed precautions on every series, refer to main text.

Selection

⚠ Warning

1. Confirm the specifications.

Products represented in this catalog are designed for use in compressed air appllications only (including vacuum), unless otherwise indicated.
Do not use the product outside their design parameters.
Please contact SMC when using the products in applications other than compressed air (including vacuum).

Mounting

⚠ Warning

1. Instruction manual

Install the products and operate them only after reading the instruction manual carefully and understanding its contents. Also keep the manual where it can be referred to as necessary.

2. Securing the space for maintenance

When installing the products, please allow access for maintenance.

3. Tightening torque

When installing the products, please follow the listed torque specifications.

Piping

⚠ Caution

1. Before piping

Make sure that all debris, cutting oil, dust, etc, are removed from the piping.

2. Wrapping of pipe tape

When screwing piping or fittings into ports, ensure that chips from the pipe threads or sealing material do not get inside the piping. Also, when the pipe tape is used, leave 1.5 to 2 thread ridges exposed at the end of the threads.

Air Supply

⚠ Warning

1. Operating fluid

Please consult with SMC when using the product in applications other than compressed air (including vacuum).
Regarding products for general fluid, please ask SMC about applicable fluids.

2. Install an air dryer, aftercooler, etc.

Excessive condensate in a compressed air system may cause valves and other pneumatic equipment to malfunction.
Installation of an air dryer, after cooler etc. is recommended.

3. Drain flushing

If condensate in the drain bowl is not emptied on a regular basis, the bowl will over flow and allow the condensate to enter the compressed air lines.
If the drain bowl is difficult to check and remove, it is recommended that a drain bowl with the auto-drain option be installed.
For compressed air quality, refer to “Air Preparation Equipment” catalog.

4. Use clean air

If the compressed air supply is contaminated with chemicals, cynthetic materials, corrosive gas, etc., it may lead to break down or malfunction.

Operating Environment

⚠ Warning

1. Do not use in environments where the product is directly exposed to corrosive gases, chemicals, salt water, water or steam.

2. Do not expose the product to direct sunlight for an extended period of time.

3. Do not use in a place subject to heavy vibrations and/or shocks.

4. Do not mount the product in locations where it is exposed to radiant heat.

Maintenance

⚠ Warning

1. Maintenance procedures are outlined in the operation manual.

Not following proper procedures could cause the product to malfunction and could lead to damage to the equipment or machine.

2. Maintenance work

If handled improperly, compressed air can be dangerous.
Assembly, handling and repair of pneumatic systems should be performed by qualified personnel only.

3. Drain flushing

Remove drainage from air filters regularly. (Refer to the specifications.)

4. Shut-down before maintenance

Before attempting any kind of maintenance make sure the supply pressure is shut of and all residual air pressure is released from the system to be worked on.

5. Start-up after maintenance and inspection

Apply operating pressure and power to the equipment and check for proper operation and possible air leaks. If operation is abnormal, please verify product set-up parameters.

6. Do not make any modifications to be product.

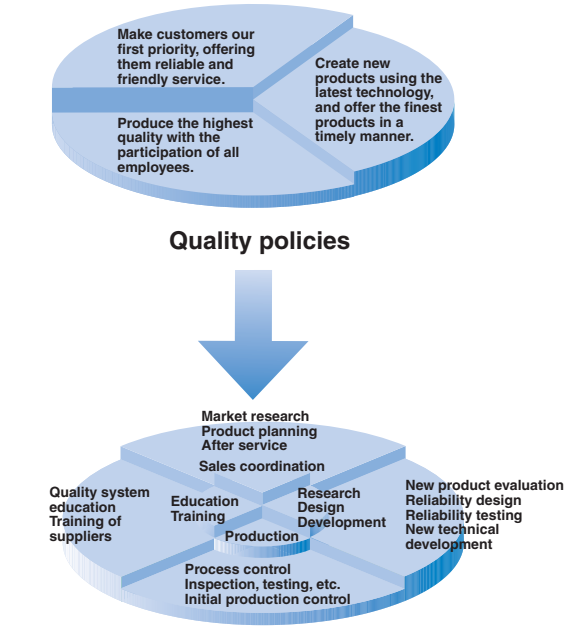
Do not take the product apart.

Quality Assurance Information (ISO 9001, ISO 14001)

Reliable quality of products in the global market

To enable our customers throughout the world to use our products with even greater confidence, SMC has obtained certification for international standards “ISO 9001” and “ISO 14001”, and created a complete structure for quality assurance and environmental controls. SMC products pursue to meet its customers’ expectations while also considering company’s contribution in society.

SMC’s quality control system



Quality management system

ISO 9001

This is an international standard for quality control and quality assurance. SMC has obtained a large number of certifications in Japan and overseas, providing assurance to our customers throughout the world.



Environmental management system

ISO 14001

This is an international standard related to environmental management systems and environmental inspections. While promoting environmentally friendly automation technology, SMC is also making diligent efforts to preserve the environment.



SMC Product Conforming to Inter

SMC products complying with EN/ISO, CSA/UL standards are supporting

CE Mark

The CE mark indicates that machines and components meet essential requirements of all the EC Directives applied.
It has been obligatory to apply CE marks indicating conformity with EC Directives when machines and components are exported to the member Nations of the EU.
Once “A manufacturer himself” declares a product to be safe by means of CE marking (declaration of conformity by manufacturer), free distribution inside the member Nations of the EU is permissible.

■ CE Mark

SMC provides CE marking to products to which EMC and Low Voltage Directives have been applied, in accordance with CETOP (European hydraulics and pneumatics committee) guide lines.

■ As of February 1998, the following 18 countries will be obliged to conform to CE mark legislation

Iceland, Ireland, United Kingdom, Italy, Austria, Netherlands, Greece, Liechtenstein, Sweden, Spain, Denmark, Germany, Norway, Finland, France, Belgium, Portugal, Luxembourg

■ EC Directives and Pneumatic Components

• Machinery Directive

The Machinery Directive contains essential health and safety requirements for machinery, as applied to industrial machines e.g. machine tools, injection molding machines and automatic machines. Pneumatic equipment is not specified in Machinery Directive. However, the use of SMC products that are certified as conforming to EN Standards, allows customers to simplify preparation work of the Technical Construction File required for a Declaration of Conformity.

• Electromagnetic Compatibility (EMC) Directive

The EMC Directive specifies electromagnetic compatibility. Equipment which may generate electromagnetic interference or whose function may be compromised by electromagnetic interference is required to be immune to electromagnetic affects (EMS/immunity) without emitting excessive electromagnetic affects (EMI/emission).

• Low Voltage Directive

This directive is applied to products, which operate above 50 VAC to 1000 VAC and 75 VDC to 1500 VDC operating voltage, and require electrical safety measures to be introduced.

• Simple Pressure Vessels Directive

This directive is applied to welded vessels whose maximum operating pressure (PS) and volume of vessel (V) exceed 50 bar/L. Such vessels require EC type examination and then CE marking.

national Standards

you to comply with EC directives and CSA/UL standards.

Mark of compliance for CSA/UL

Mark of compliance for CSA

NRTL /C

■ CSA Standards & UL Standards

UL and CSA standards have been applied in North America (U.S.A. and Canada) symbolizing safety of electric products, and are defined to mainly prevent danger from electric shock or fire, resulting from trouble with electric products. Both UL and CSA standards are acknowledged in North America as the first class certifying body. They have a long experience and ability for issuing product safety certificate. Products approved by CSA or UL standards are accepted in most states and governments beyond question.
Since CSA is a test certifying body as the National Recognized Testing Laboratory (NRTL) within the jurisdiction of Occupational Safety and Health Administration (OSHA), SMC was tested for compliance with CSA Standards and UL Standards at the same time and was approved for compliance with the two Standards. The above CSA NRTL/C logo is described on a product label in order to indicate that the product is approved by CSA and UL Standards.

■ TSSA (MCCR) Registration Products

TSSA is the regulation in Ontario State, Canada. The products that the operating pressure is more than 5 psi (0.03 MPa) and the piping size is bigger than 1 inch. fall into the scope of TSSA regulation.

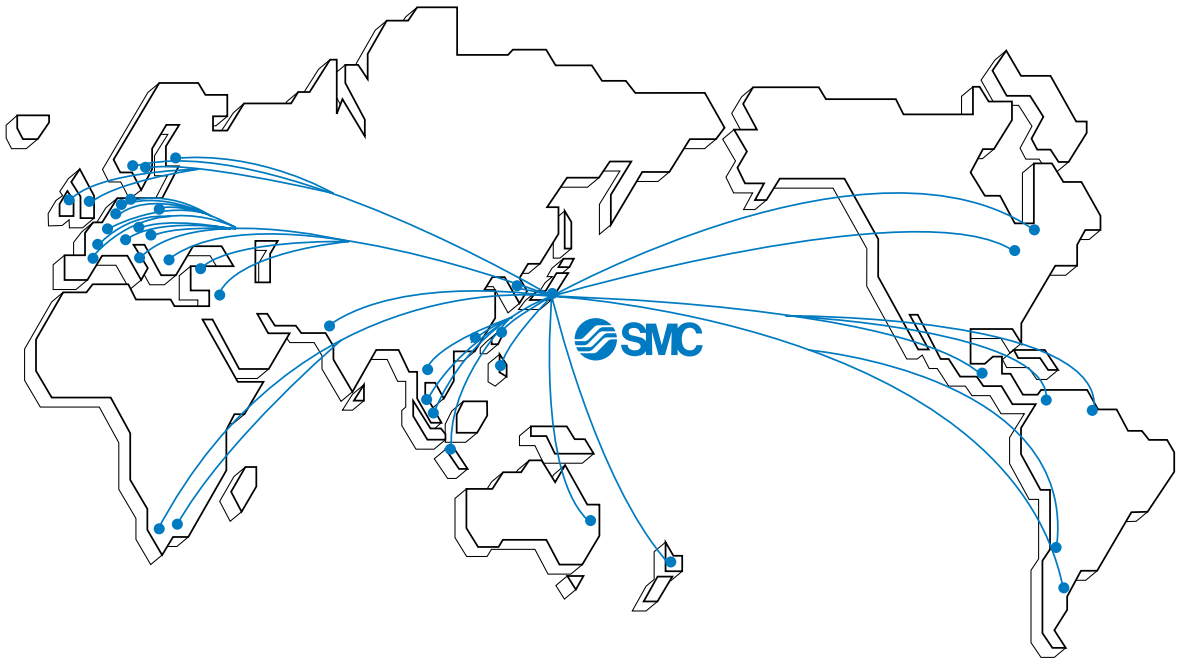
Products conforming to CE Standard

With CE symbol for simple visual recognition

In this catalog each accredited product series is indicated with a CE mark symbol. However, in some cases, every available models may not meet CE compliance. Please visit our web site for the latest selection of available models with CE mark.

http://www.smcworld.com

SMC's Global Service Network



America

U.S.A. **SMC Corporation of America**
3011 North Franklin Road Indianapolis, IN 46226, U.S.A.
TEL: 317-899-4440 FAX: 317-899-3102

CANADA **SMC Pneumatics (Canada) Ltd.**
6768 Financial Drive Mississauga, Ontario, L5N 7J6 Canada
TEL: 905-812-0400 FAX: 905-812-8686

MEXICO **SMC Corporation (Mexico), S.A. DE C.V.**
Carr. Silao-Trejo K.M. 2.5 S/N, Predio San Jose del Duranzo
C.P. 36100, Silao, Gto., Mexico
TEL: 472-72-2-55-00 FAX: 472-72-2-59-44/2-59-46

CHILE **SMC Pneumatics (Chile) S.A.**
Av. La Montaña 1,115 km. 16,5 P. Norte Parque
Industrial Valle Grande, Lampa Santiago, Chile
TEL: 02-270-8600 FAX: 02-270-8601

ARGENTINA **SMC Argentina S.A.**
Teodoro Garcia 3860 (1427) Buenos Aires, Argentina
TEL: 011-4555-5762 FAX: 011-4555-5762

BOLIVIA **SMC Pneumatics Bolivia S.R.L.**
Avenida Beni Numero 4665
Santa Cruz de la Sierra-Casilla de Correo 2281, Bolivia
TEL: 591-3-3428383 FAX: 591-3-3449900

VENEZUELA **SMC Neumatica Venezuela S.A.**
Apartado 40152, Avenida Nueva Granada, Edificio Wanlac,
Local 5, Caracas 1040-A, Venezuela
TEL: 2-632-1310 FAX: 2-632-3871

PERU (Distributor) **IMPECO Automatizacion Industrial S.A.**
AV. Canevaro 752, Lince, Lima, Peru
TEL: 1-471-6002 FAX: 1-471-0935

URUGUAY (Distributor) **BAKO S.A.**
Galicia 1650 esq. Gaboto C.P. 11200, Montevideo, Uruguay
TEL: 2-401-6603 FAX: 2-409-4306

BRAZIL **SMC Pneumaticos Do Brasil Ltda.**
Rua. Dra. Maria Fidelis, nr. 130, Jardim Piraporinha-Diadema-S.P.
CEP: 09950-350, Brasil
TEL: 11-4051-1177 FAX: 11-4071-6636

COLOMBIA (Distributor) **Airmatic Ltda.**
Calle 18 69-05 Apart. Aereo 081045 Santa Fe de Bogotá, Colombia
TEL: 1-424-9240 FAX: 1-424-9260

Europe

U.K. **SMC Pneumatics (U.K.) Ltd.**
Vincent Avenue, Crownhill, Milton Keynes, MK8 0AN, Backinghamshire, U.K.
TEL: 01908-563888 FAX: 01908-561185

GERMANY **SMC Pneumatik GmbH**
Boschring 13-15 D-63329 Egelsbach, Germany
TEL: 06103-4020 FAX: 06103-402139

ITALY **SMC Italia S.p.A.**
Via Garibaldi 62 I-20061 Carugate Milano, Italy
TEL: 02-9271365 FAX: 02-9271365

FRANCE **SMC Pneumatique S.A.**
1 Boulevard de Strasbourg, Parc Gustave Eiffel, Bussy Saint Georges, F-77600
Marne La Vallee Cedex 3 France
TEL: 01-64-76-10-00 FAX: 01-64-76-10-10

SWEDEN **SMC Pneumatics Sweden AB**
Ekhagsvägen 29-31, S-141 05 Huddinge, Sweden
TEL: 08-603-07-00 FAX: 08-603-07-10

SWITZERLAND **SMC Pneumatik AG**
Dorfstrasse 7, Postfach 117, CH-8484 Weisslingen, Switzerland
TEL: 052-396-3131 FAX: 052-396-3191

AUSTRIA **SMC Pneumatik GmbH (Austria)**
Girakstrasse 8, A-2100 Korneuburg, Austria
TEL: 0-2262-6228-0 FAX: 0-2262-62285

SPAIN **SMC España, S.A.**
Zuazobidea 14 Pol. Ind. Júndiz 01015 Vitoria, Spain
TEL: 945-184-100 FAX: 945-184-510

IRELAND **SMC Pneumatics (Ireland) Ltd.**
2002 Citywest Business Campus, Naas Road, Saggart, Co. Dublin, Ireland
TEL: 01-403-9000 FAX: 01-466-0385

NETHERLANDS (Associated company) **SMC Pneumatics BV**
De Ruyterkade 120, NL-1011 AB Amsterdam, Netherlands
TEL: 020-5318888 FAX: 020-5318880

GREECE (Distributor) **S.Parianopoulos S.A.**
7, Konstantinoupoleos Street 11855 Athens, Greece
TEL: 01-3426076 FAX: 01-3455578

DENMARK **SMC Pneumatik A/S**
Knudsminde 4 B DK-8300
Odder, Denmark
TEL: 70252900 FAX: 70252901

Europe

FINLAND **SMC Pneumatics Finland OY**
PL72, Tiistinniityntie 4, SF-02231 ESP00, Finland
TEL: 09-8595-80 FAX: 09-8595-8595

NORWAY **SMC Pneumatics Norway A/S**
Vollsveien 13C, Granfoss Næringspark N-1366 LYSAKER, Norway
TEL: 67-12-90-20 FAX: 67-12-90-21

BELGIUM (Distributor) **SMC Pneumatics N.V./S.A.**
Nijverheidsstraat 20 B-2160 Wommelgem Belguim
TEL: 03-355-1464 FAX: 03-355-1466

POLAND **SMC Industrial Automation Polska Sp.z.o.o.**
ul. Konstruktorska 11A, PL-02-673 Warszawa, Poland
TEL: 022-548-5085 FAX: 022-548-5087

TURKEY (Distributor) **Entek Pnömatik San.ve Tic. Ltd. Sti**
Perpa Tic. Merkezi Kat:11 No.1625 80270 Okmeydani Istanbul, Türkiye
TEL: 0212-221-1512 FAX: 0212-221-1519

RUSSIA **SMC Pneumatik LLC.**
36/40 Sredny prospect V.O. St. Petersburg 199004, Russia
TEL: 812-118-5445 FAX: 812-118-5449

CZECH **SMC Industrial Automation CZ s.r.o.**
Hudcova 78a, CZ-61200 Brno, Czech Republic
TEL: 05-4121-8034 FAX: 05-4121-8034

HUNGARY **SMC Hungary Ipari Automatizálási kft.**
Budafoki ut 107-113 1117 Budapest
TEL: 01-371-1343 FAX: 01-371-1344

ROMANIA **SMC Romania S.r.l.**
Str. Frunzei, Nr. 29, Sector 2, Bucharest, Romania
TEL: 01-3205111 FAX: 01-3261489

SLOVAKIA **SMC Priemyselná automatizáciá, s.r.o**
Nova 3, SK-83103 Bratislava
TEL: 02-4445-6725 FAX: 02-4445-6028

SLOVENIA **SMC Industrijska Avtomatilca d.o.o.**
Grajski trg 15, SLO- 8360 Zuzemberk, Slovenia
TEL: 07388-5240 FAX: 07388-5249

LATVIA **SMC Pneumatics Latvia SIA**
Šmerļa ielā 1-705, Rīga LV-1006
TEL: 777 94 74 FAX: 777 94 75

SOUTH AFRICA (Distributor) **Hyflo Southern Africa (Pty.) Ltd.**
P.O.Box 240 Paardeneiland 7420 South Africa
TEL: 021-511-7021 FAX: 021-511-4456

EGYPT (Distributor) **Saadani Trading & Ind. Services**
15 Sebaai Street, Miami 21411 Alexandria, Egypt
TEL: 3-548-50-34 FAX: 3-548-50-34

Oceania/Asia

AUSTRALIA **SMC Pneumatics (Australia) Pty.Ltd.**
14-18 Hudson Avenue Castle Hill NSW 2154, Australia
TEL: 02-9354-8222 FAX: 02-9894-5719

NEW ZEALAND **SMC Pneumatics (New Zealand) Ltd.**
8C Sylvia Park Road Mt.Wellington Auckland, New Zealand
TEL: 09-573-7007 FAX: 09-573-7002

TAIWAN **SMC Pneumatics (Taiwan) Co.,Ltd.**
17, Lane 205, Nansan Rd., Sec.2, Luzhu-Hsiang, Taoyuan-Hsien, TAIWAN
TEL: 03-322-3443 FAX: 03-322-3387

HONG KONG **SMC Pneumatics (Hong Kong) Ltd.**
29/F, Clifford Centre, 778-784 Cheung, Sha Wan Road, Lai Chi Kok, Kowloon, Hong Kong
TEL: 2744-0121 FAX: 2785-1314

SINGAPORE **SMC Pneumatics (S.E.A.) Pte. Ltd.**
89 Tuas Avenue 1, Jurong Singapore 639520
TEL: 6861-0888 FAX: 6861-1889

PHILIPPINES **SHOKETSU SMC Corporation**
Unit 201 Common Goal Tower, Madrigal Business Park,
Ayala Alabang Muntinlupa, Philippines
TEL: 02-8090565 FAX: 02-8090586

MALAYSIA **SMC Pneumatics (S.E.A.) Sdn. Bhd.**
Lot 36 Jalan Delima1/1, Subang Hi-Tech Industrial Park, Batu 3 40000 Shah Alam Selangor, Malaysia
TEL: 03-56350590 FAX: 03-56350602

SOUTH KOREA **SMC Pneumatics Korea Co., Ltd.**
Woolim e-BIZ Center (Room 1008), 170-5, Guro-Dong, Guro-Gu,
Seoul, 152-050, South Korea
TEL: 02-3219-0700 FAX: 02-3219-0702

CHINA **SMC (China) Co., Ltd.**
7 Wan Yuan St. Beijing Economic & Technological Development Zone 100176, China
TEL: 010-67882111 FAX: 010-67881837

THAILAND **SMC Thailand Ltd.**
134/6 Moo 5, Tiwanon Road, Bangkadi, Amphur Muang, Patumthani 12000, Thailand
TEL: 02-963-7099 FAX: 02-501-2937

INDIA **SMC Pneumatics (India) Pvt. Ltd.**
D-107 to 112, Phase-2, Extension, Noida, Dist. Gautaim Budh Nagar,
U.P. 201 305, India
TEL: (0120)-4568730 FAX: 0120-4568933

INDONESIA (Distributor) **P.T. Riyadi Putera Makmur**
Jalan Hayam Wuruk Komplek Glodok Jaya No. 27-28 Jakarta 11180 Indonesia
TEL: 021-625 5548 FAX: 021-625 5888

PAKISTAN (Distributor) **Jubilee Corporation**
First Floor Mercantile Centre, Newton Road Near Boulton Market P.O. Box 6165
Karachi 74000 Pakistan
TEL: 021-243-9070/8449 FAX: 021-241-4589

ISRAEL (Distributor) **Baccara Automation Control**
Kvutzat Geva 18915 Israel
TEL: 04-653-5960 FAX: 04-653-1445

SAUDI ARABIA (Distributor) **Assaggaff Trading Est.**
P.O. Box 3385 Al-Amir Majed Street, Jeddah-21471, Saudi Arabia
TEL: 02-6761574 FAX: 02-6708173

Filter
NAF800, 900

Specifications

Model		NAF800	NAF900
Pipe size (NPT)		1 1/4 - 1 1/2	2
Net bowl capacity oz. (cm^3)		6.1 (180)	6.1 (180)
Weight lbs (kgf)		6.94 (3.15)	12.02 (5.45)
Proof pressure psig (MPa)		220 (1.5)	
Max. operating pressure psig (MPa)		150 (1.0)	
Operating temperature range		23° ~ 140° F(-5° ~ 60° C)	
Filtration		40 standard, optional: 2, 10, 20, 70, 100 µm	
Bowl		Polycarbonate bowl	
Body		ADC	
Optional Accessories	Auto Drain (N.O.)	NAD34	NAD34

• Standard ▼ Optional —Not Available

How To Order

NAF 8 00 — N 14 — 2 — R

Filter

Body size
8 —— 11/2
9 —— 2

Drain style
00 ——Manual
11 ——Auto drain

Port thread
Nil —— Rc(PT)
N —— NPT
F —— G(PF)

Pipe size (NPT)
12 —— 1 1/4
14 —— 1 1/2
20 —— 2

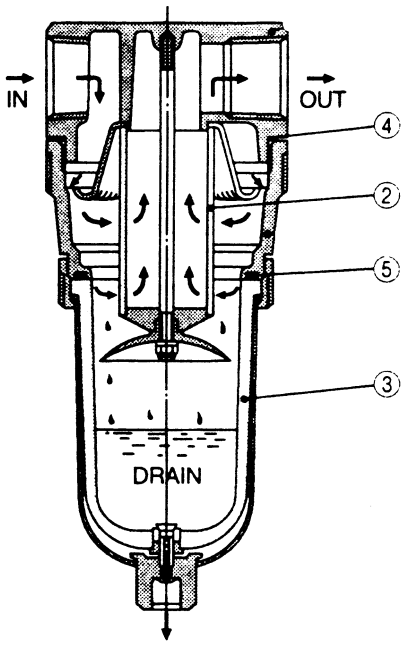
Optional specifications
Nil —— None
1* —— Special Filtration
2 —— Metal Bowl
6 —— Nylon Bowl
7 —— Stainless Steel Element
8 —— Metal Bowl with Sight Glass
9 —— Without Drain Cock

* Please list Filtration after suffix number
(Ex. For 100µm — NAF800-N14-1-100)

Additional Options
Nil —— None
R —— IN-OUT Reversal (Right → Left)

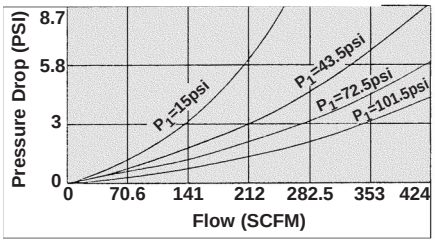
Construction/Parts List

Item No.	Name	Material	Model	
			NAF800	NAF900
❷	Filter Element	Bronze	11345-40B	11352-40B
❸	Bowl and guard	SPC	AF11-4	AF11-4
❹	Housing O-ring	NBR	G-130	630332
❺	Bowl O-ring		113136	113136
—	Repair Kit	—	KT-AF800-40B	KT-AF900-40B

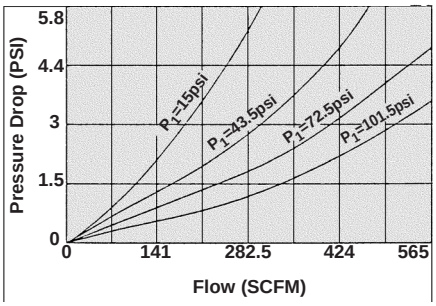


Flow Characteristics

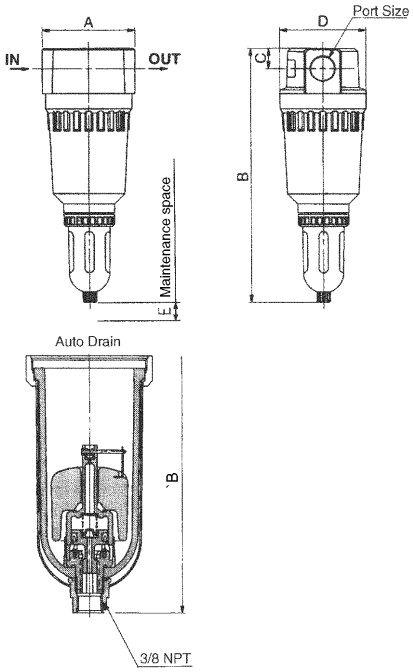
NAF800



NAF900

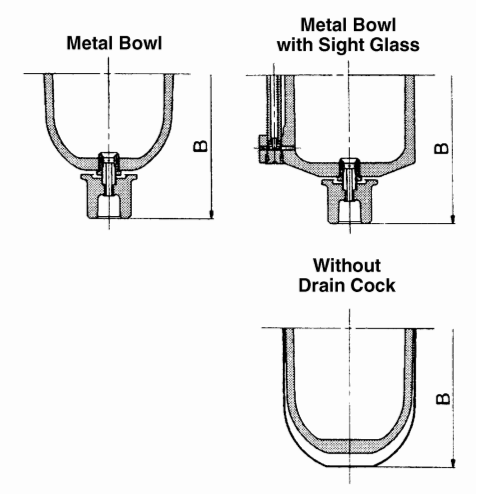


Dimensions



Model	A	B	`B	C	D	E	Port size
NAF800	5.91	16.14	17.28 (439)	1.30	5.51 (140)	7.87 (200)	1 1/4 • 1 1/2
NAF900	7.87	19.29	20.43 (519)	1.81	6.69 (170)	10.24 (260)	2

Dimensions/with options



Model	B		
	Metal Bowl	Metal Bowl w/sight glass	w/o Drain Cock
NAF811	16.10 (409)	17.34 (440.5)	15.49 (393.5)
NAF911	19.25 (489)	20.49 (520.5)	18.64 (473.5)