

Large Flow Air Filter Series AF800/900



Standard Specifications

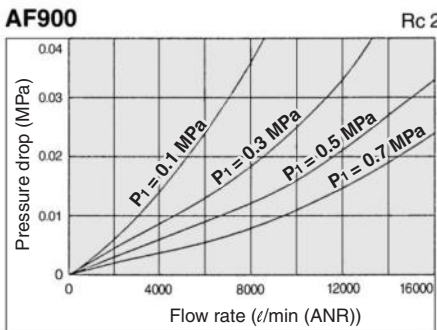
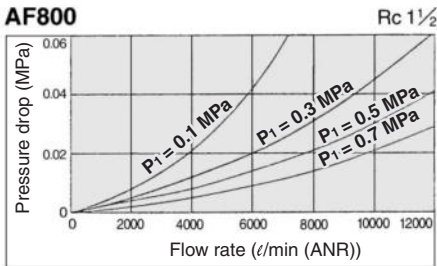
Model	AF800	AF900
Port size	1 1/4 1 1/2	2
Proof pressure	1.5 MPa	
Maximum operating pressure	1.0 MPa	
Ambient and fluid temperature	-5 to 60°C (No freezing)	
Filtration	Standard specifications: 5 μm Option: 2, 10, 20, 40, 70, 100 μm	
Bowl material	Polycarbonate	
Bowl capacity (cm ³)	180	
Weight (kg)	3.15	5.45
Accessory (Standard)	Bowl guard	

Accessory (Option)/Part No.

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



How to Order

AF 8 00 □ 12 □ 127 □ R

- Air filter**
- Body size**

8	1 1/2
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
- Option**

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

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

- Note 1) When specifying 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.

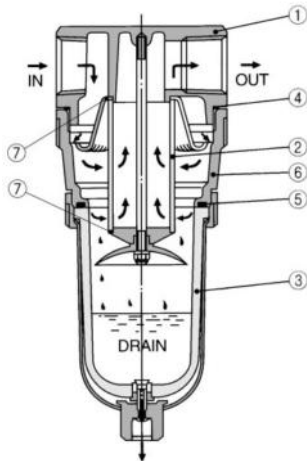
- * 1 Indicate the required filtration rate after the symbol "1".
Ex.) When 40 μm is required: 1-40
- * 2 If indicating "7" only, the filtration rate is 5 μm. Optional filtration rate is required, indicate like 17-□.
Ex.) When requiring "stainless steel and 40 μm"; 17-40
- * 3 The bowl of series AL is used.
- * 4 This symbol "□" indicates the port size.

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

- F.R.L.
- AV
- AU
- AF
- AR
- IR
- VEX
- AMR
- ITV
- IC
- VBA
- VE□
- VY1
- G
- PPA
- AL

Series AF800/900

Construction



Component Parts

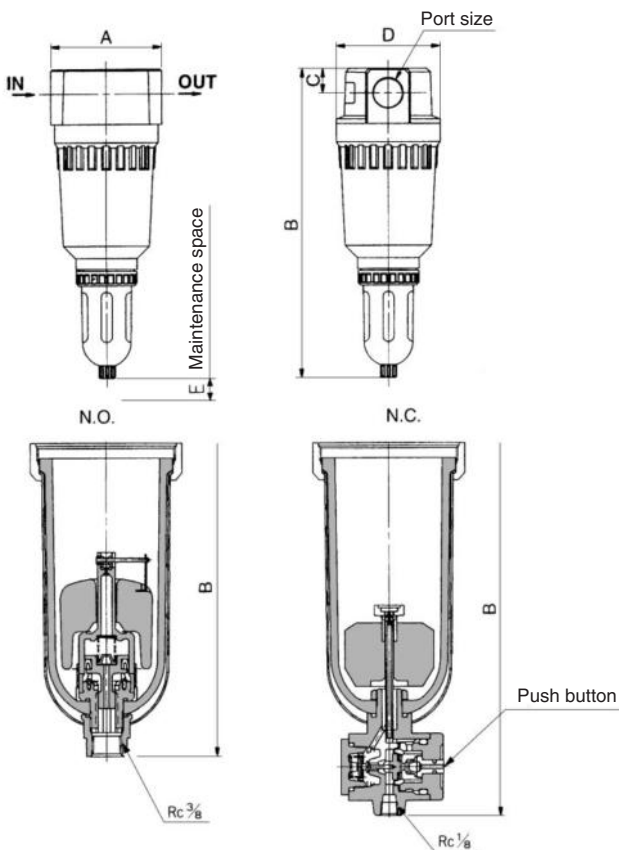
No.	Description	Material		Note
		AF800	AF900	
①	Body	Aluminum die-casted	Aluminum die-casted	Platinum silver painted
⑥	Housing	Aluminum die-casted	Aluminum die-casted	Platinum silver painted

Replacement Parts

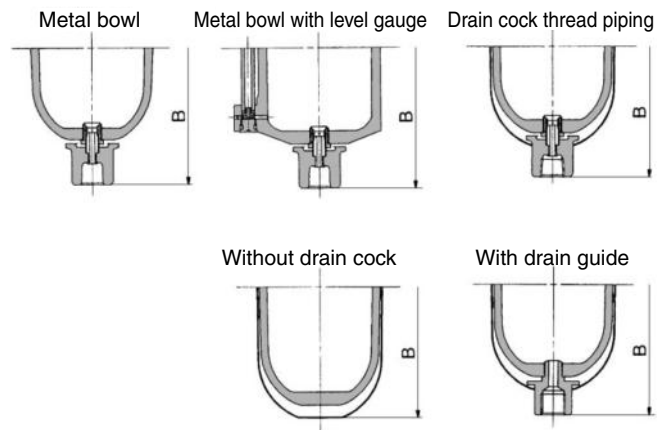
No.	Description	Material	Part no.	
			AF800	AF900
②	Element	Bronze	11345-5B	11352-5B
③	Bowl assembly *	—	AF11-4	AF11-4
④	O-ring	NBR	JIS B2401 G130	630332
⑤	O-ring	NBR	113136	113136
⑦	Gasket for element	NBR	11217	112310

* 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)		
					N.O.	N.C.	E
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.

- Float type auto-drain (N.O.)
 - Use compressor with capacity more than 3.7 kw {400 ℓ/min (ANR)}.
 - Set pressure more than 0.1 MPa.
- Float type auto-drain (N.C.)
 - Compressor can be used even if energy is under 3.7 kw.
 - 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.

- Float type auto-drain (N.O.)

When making drain exhaust piping, use piping with bore size $\phi 10$ or larger than $\phi 10$. Length should be shorter than 5 m. Do NOT make upward piping.
- Float type auto-drain (N.C.)

DO NOT pipe upwards.