

# Large Flow Air Filter

# Series AF800/900



## Standard Specifications

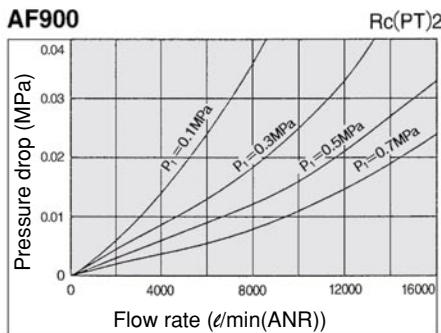
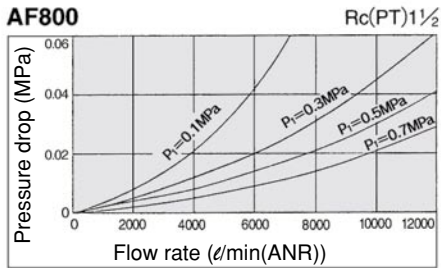
Model	AF800	AF900
Port size	1 <sup>1</sup> / <sub>4</sub> 1 <sup>1</sup> / <sub>2</sub>	2
Proof pressure	1.5MPa	
Max. operating pressure	1.0MPa	
Ambient and fluid temperature	-5 to 60°C (No freezing)	
Filtration	Standard: 5 μm Optional: 2, 10, 20, 40, 70, 100 μm	
Bowl material	Polycarbonate (standard)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

## Accessory (optional) Part No.

Description	Model	Part No.	
		AF8□□	AF9□□
Float style auto drain*	N.O.	AD34 (Bowl material: Nylon)	AD34 (Bowl material: Nylon)
	N.C.	AD16M (Bowl material: Polycarbonate)	AD16M (Bowl material: Polycarbonate)

\*Min. operating pressure: 0.1MPa (N.O.), 1.15MPa (N.C.)

## Flow Characteristics



## How to Order

**AF 8 00** — **12** — **127** — **R**

Air filter

Body size

8	1 <sup>1</sup> / <sub>2</sub>
9	2

Auto-drain

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

Thread

—	Rc(PT)
N	NPT
F	G(PF)

Option

D	Drain cock for thread piping {Rc(PT) 1/4 }
J□*4	Drain guide
R	Flow: From right to left

Option

1*1	Optional filtration rate
2	Metal bowl
6	Nylon bowl
7*2	Stainless steel element
8	Metal bowl with level gauge (AFD3000/AFD4000 only)
9*3	Without drain cock

Port size

12	1 <sup>1</sup> / <sub>4</sub>
14	1 <sup>1</sup> / <sub>2</sub>
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) Symbols "2", "6" and "8" can not be specified at the same time. (Ex.) 68

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

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

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

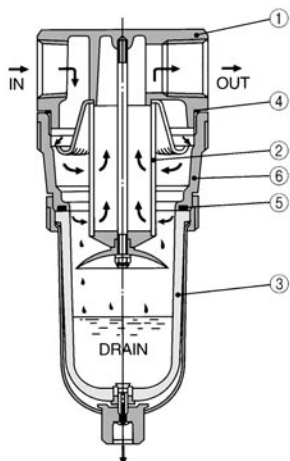
\*3 The bowl of series AL is used.

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

1	Rc(PT) 1/4
2	Rc(PT) 1/8
3	G(PF) 1/8
4	M10 x 1
5	M10

# Series AF800/900

## Construction



## Component Parts

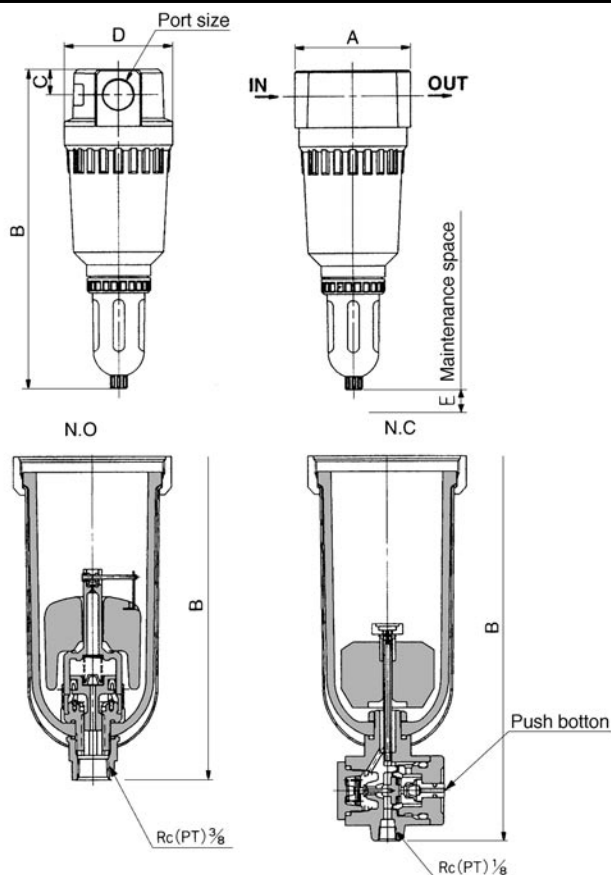
No.	Description	Material		Note
		AF800	AF900	
①	Body	Aluminum die cast	Aluminum cast	Platinum silver paint
⑥	Housing	Aluminum die cast	Aluminum cast	Platinum silver paint

## Replacement Parts

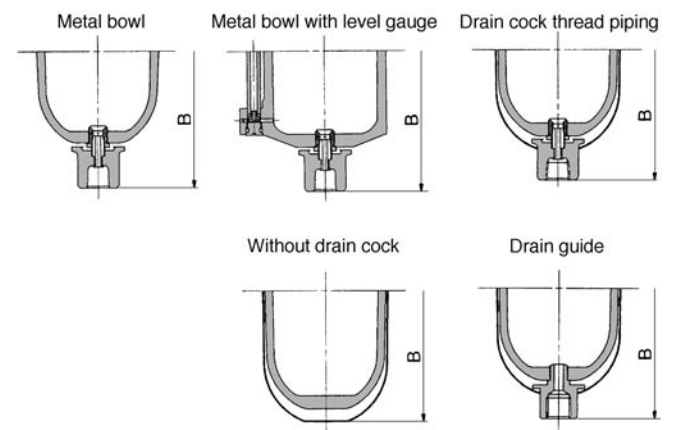
No.	Description	Material	Part No.	
			AF800	AF900
②	Element	Bronze	11345-5B	11352-5B
③	Bowl ass'y	—	AF11-4	AF11-4
④	O ring	NBR	JIS B2401 G130	630332
⑤	O ring	NBR	113136	113136

\*Bowl (polycarbonate), drain cock, bowl guard and clamp ring are assembled.  
Assembly of 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	472	200
AF900	200	490	46	170	519	552	260

## ⚠ Precautions

Be sure to read before handling.  
Refer to p.0-26 and 0-27 for Safety Instructions and common precautions on the products mentioned in this catalogue and refer to p.1.0-2 and 1.0-3 for precautions on every series.

### Selection

#### ⚠ Warning

Use auto drain under the following conditions.  
Otherwise, it would cause malfunction.

- ① Float style auto drain (N.O.)
  - 1) Use compressor with capacity more than 3.7kw{400L/min (ANR)}.
  - 2) Set pressure more than 0.1MPa
- ② Float style auto drain (N.C.)
  - 1) Compressor can be used even if energy is under 3.7kw.
  - 2) Set pressure more than 0.15MPa

### Piping

#### ⚠ Warning

Use drain piping of auto drain under following conditions.  
Otherwise, it may cause malfunction.

- ① Float style auto drain (N.O.)
 

When making drain exhaust piping, use piping with bore size  $\geq 10$  or larger than  $\geq 10$ .  
Length should be shorter than 5m. Do NOT make upward piping.
- ② Float style auto drain (N.C.)
 

DO NOT pipe upwards.