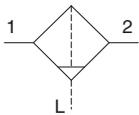


Large Flow Air Filter

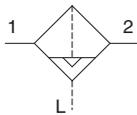
Series AF800/900



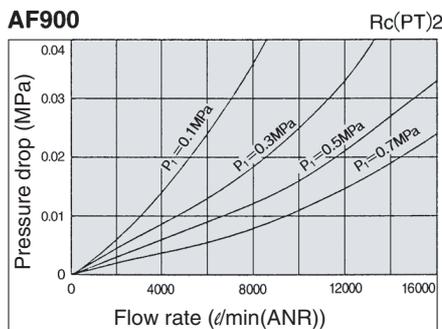
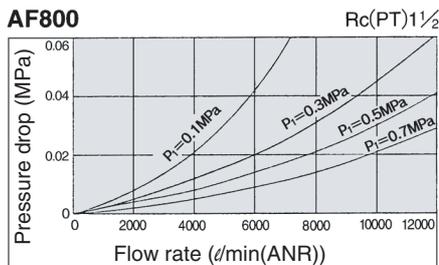
Symbol
Air filter



Symbol
Air filter with auto drain



Flow Characteristics



Standard Specifications

Model	AF800	AF900
Port size	1¼ 1½	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 (cm³)	45cm³	
Weight (kg)	3.15kg	6.8kg
Accessory (standard)	Bowl guard	

Accessory (optional) Part No.

Description	Model	Part No.	
		AF8□□	AF9□□
Float style auto drain*	N.O.	AD48-6 (Bowl material: Nylon)	AD48-6 (Bowl material: Nylon)
	N.C.	AD47 (Bowl material: Polycarbonate)	AD47 (Bowl material: Polycarbonate)

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

How to Order

AF 8 00 - 12 - - -

- Air filter**: AF
- Body size**: 8 (1¼), 9 (2)
- Auto-drain specifications**: 00 (None), 10 (Float type auto drain (N.C.)), 11 (Float type auto drain (N.O.))
- Thread type**: - (Rc), N (NPT), F (G)
- Option**:

-	None
D ^{*5}	Drain cock with barb fitting
J ^{*6}	Drain guide
R	Flow direction: Right to left
- Option**:

-	None
1 ^{*1}	Optional filtration rate
2	Metal bowl
6 ^{*2}	Nylon bowl
7 ^{*3}	Stainless steel element
8	Metal bowl with level gauge
9 ^{*4}	Without drain cock
- Port size**:

12	1¼
14	1½
20	2

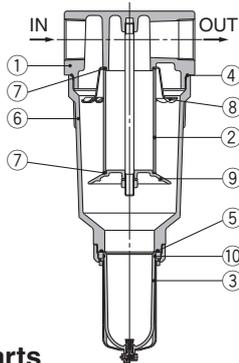
- Note 1) When specifying more than one number, indicate them in numerical order. (Ex.) 127-40
- Note 2) When specifying more than one alphabet symbol, indicate them alphabetically and put “-” between them. (Ex.) D-R
- Note 3) Options for “2”, “6”, and “8” can not be specified at the same time. (Ex.) 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.

- * 1 Indicate the required filtration rate after the symbol “1”.
Ex.) When 40 µm is required: 1-40
- * 2 For float type auto drain (N.O.), nylon bowl is a standard specification. Selection of “6” is not necessary.
- * 3 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
- * 4 The bowl of series AL is used.
- * 5 Drain cock thread machining (1¼) for products with metal bowl.
- * 6 This symbol “□” indicates the port size.

1	Rc 1¼
6	NPT 1¼
8	G 1¼

Series AF800/900

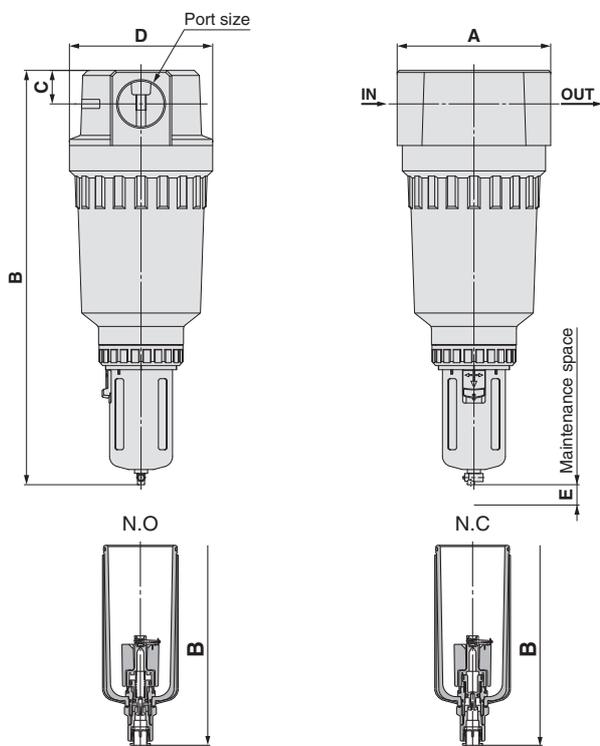
Construction



Component Parts

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

Dimensions

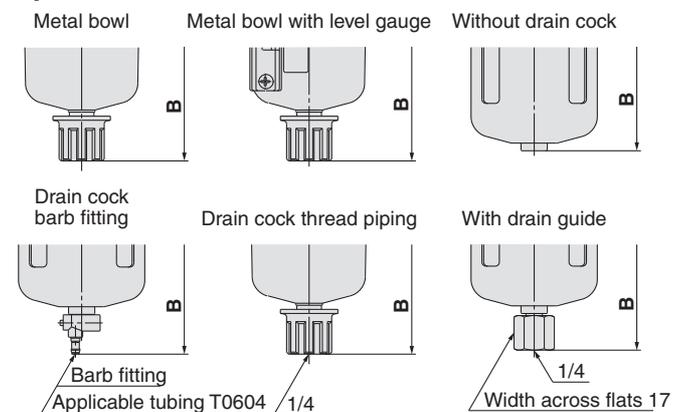


Replacement Parts

No.	Description	Material	Part no.		Qty.		
			AF800	AF900			
2	Element	Standard	Bronze	11345-5B	11352-5B	1	
		-7	Stainless steel	11345-5S	11352-5S	1	
3	Bowl assembly	Standard	—	C4SF		1	
		Note)	-2	—	C4SF-2		
		-6	—	C4SF-6			
		-8	—	C4LF-8			
		-9	—	C4SF-X401			
4	O-ring	NBR	KA00788 JIS B2401G130	630332	1		
5	O-ring	NBR	113136	113136	1		
7	Element seal	NBR	11217	112310	2		
8	Deflector	Aluminum	11346	11355	1		
9	Buffer	AF800	ADC	11344	—	1	
		AF900	Aluminum casted	—	11354		
10	O-ring	NBR	C4SFP-260S		1		

Note) O-ring ⑩ is attached.

Option



Option/Dimensions

Model	A	B	C	D	B (With auto drain)		E
					N.O.	N.C.	
AF800	150	408	33	140	448	448	150
AF900	200	484	42	170	524	524	210

Model	B (Without auto drain)					
	Metal bowl	Metal bowl with level gauge	Without drain cock	Drain cock barb fitting	Drain cock thread piping	With drain guide
AF800	421	441	397	417	421	415
AF900	497	517	473	493	497	491

⚠ 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 an auto drain under the following conditions to avoid malfunction.
 - <N.O. type>
 - Operating compressor: 0.75 kW (100 L/min. (ANR)) or more
 - When using 2 or more auto drains, multiply the above value by the number of auto drains to find the minimum capacity of the required compressors.
 - Selecting a model with a minimum or larger required capacity is recommended. For example, when using 2 auto drains, a compressor capacity of at least 1.5 kW (200 L/min. (ANR)) is required.
 - Operating pressure: 0.1 MPa or more
- <N.C. type>
 - Operating pressure for AD17/27: 0.1 MPa or more
 - Operating pressure for AD37/47: 0.15 MPa or more

Piping

⚠ Warning

- Float type auto drain
 - Drain piping should be performed under the following conditions to avoid malfunction.
 - <N.O. type>
 - Use piping whose I.D. is $\phi 6.5$ or larger, and whose length is 5 m or less. Avoid riser piping.
 - <N.C. type>
 - AD17/27: Use piping with an I.D. of $\phi 2.5$ or larger.
 - AD37/47: Use piping with an I.D. of $\phi 4$ or larger.
 - Length is 5 m or less. Avoid riser piping.