

Large Flow Air Filter

Series AF800/900

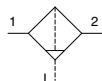


AF800

AF911

Symbol

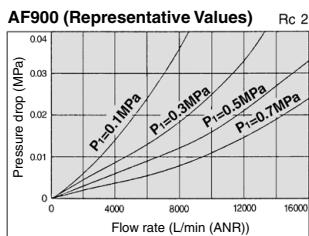
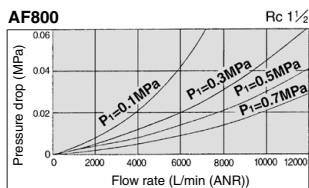
Air filter



Air filter with auto drain



Flow Characteristics (Representative Values)



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 (cm³)	45 cm³	
Weight (kg)	3.15	7.30
Accessory (Standard)	Bowl guard	

Accessory (Option)/Part No.

Description		Part no.	
		AF8□□	AF9□□
Float type auto drain * (Bowl assembly)	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: 0.1 MPa (N.O.), 0.15 MPa (N.C.)

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

NII	Rc
N	NPT
F	G

Option

D ⁺⁵	Drain cock with barb fitting
J□ ⁺⁶	Drain guide
R	Flow direction: Right to left

Option

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	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.

* 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.

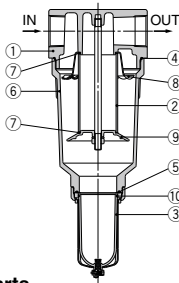
* 5 Drain cock thread machining (1/4) for products with metal bowl.

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

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

Series AF800/900

Construction



Component Parts

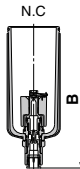
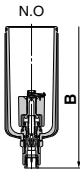
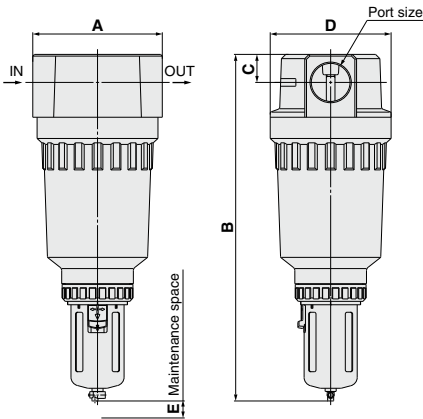
No.	Description	Material		Note
		AF800	AF900	
1	Body	Aluminum die-casted	Aluminum casted	Platinum silver painted
6	Housing	Aluminum die-casted	Aluminum casted	Platinum silver painted

Replacement Parts

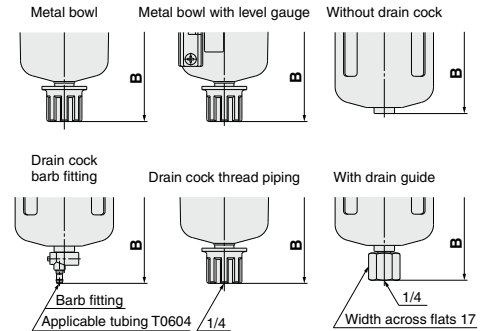
No.	Description	Material	Part no.		Qty.
			AF800	AF900	
2	Element	Standard -7 Stainless steel	11345-5B 11345-5S	11352-5B 11352-5S	1
3	Bowl assembly	Standard -2 -6 -8 -9	— — — — —	C4SF C4SF-2 C4SF-6 C4LF-8 C4SF-X401	1
4	O-ring	NBR	JIS B2401 G130	630332	1
5	O-ring	NBR	113136	113136	1
7	Element seal	NBR	11217	112310	2
8	Deflector	Aluminum	11346	11355	1
9	Buffer	AF800 ADC AF900 Aluminum casted	11344 — — 11354	— — — 11354	1
10	O-ring	NBR	—	C4SFP-260S	1

Note) O-ring 10 is attached.

Dimensions



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	488	46	170	528	528	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	501	521	477	497	501	495

⚠ Precautions

Be sure to read before handling.

Refer to front matter 43 for Safety Instructions and pages 365 to 369 for F.R.L. Precautions.