



How to Order

AMD650/850

AMD 650 - 10

Body size

650
850

Thread type

Symbol	Type
Nil	Rc
F	G
N	NPT

Port size

Symbol	Size	Applicable body size	
		650	850
10	1	●	—
14	1 1/2	●	●
20	2	—	●

Accessory

Symbol	Description
Nil	—
B	Bracket *1

*1 Bracket is included, (but not assembled).

Auto drain *2

Symbol	Description
Nil	Drain cock (Without auto drain) *3
D	N.O. auto drain

*2 Refer to "Auto Drain Specifications/Option Combinations".

*3 Body size 850 is equipped with a ball valve (Rc3/8 female threaded). Mount a piping adapter IDF-AP609 (page 62) to the ball valve if NPT3/8 female threaded is required.

Option *2

Symbol	Description
Nil	—
J	Drain guide 1/4 female threaded*4
R	IN-OUT reversal direction
T	With element service indicator

*4 Drain piping and piping for a stop valve such as ball valve are required.

Made to Order

("How to Order" and the applicable models are different from those shown on this page. Be sure to refer to "Made to Order".)

Symbol	Description	Page for details
Nil	—	—
X6	With differential pressure gauge (GD40-2-01)	P.68
X37	With differential pressure switch (With indicator, 125 VAC, 30 VDC)	P.68
X15	With IN-OUT flange	P.69
X17	With differential pressure gauge (GD40-2-01) and IN-OUT flange	P.69
X26	N.C., N.O. auto drain, drain piping type	P.70
X12	White vaseline specifications	P.70



Note) Refer to "How to Order Bowl Assembly" on page 63.

○: Available □: Not available

Auto Drain Specifications/Option Combinations

Auto drain specifications/Option			Auto drain specifications	Option			Applicable model	
			D	J	R	T	AMD650	AMD850
Auto drain specifications	N.O. auto drain	D		○	○		○	
Option	Drain guide 1/4	J		○	○	○		
	IN-OUT reversal direction	R	○	○	○		○	○
	With element service indicator	T	○	○			○	○

Free standing type AMD800/810 to 10□0

AMD 8 00 - 20

Body size

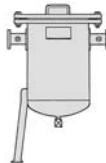
8
9
10

Port size

Symbol	Size	Applicable body size		
		AMD800, 810	AMD9□0	AMD10□0
20	50(2B)JIS 10K FF flange	●	●	—
30	80(3B)JIS 10K FF flange	—	●	—
40	100(4B)JIS 10K FF flange	—	●	●
60	150(6B)JIS 10K FF flange	—	—	●

Type

Symbol	Description
00	With manual drain cock
10	With auto drain



Piping support type AMD801/811/9□1

AMD 8 01 - 20

Body size

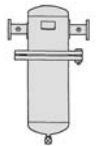
8
9

Port size

Symbol	Size	Applicable body size	
		AMD8□1	AMD9□1
20	50(2B)JIS 10K FF flange	●	—
30	80(3B)JIS 10K FF flange	—	●
40	100(4B)JIS 10K FF flange	—	●

Type

Symbol	Description
01	With manual drain cock
11	With auto drain



Model Selection

Select a model in accordance with the following procedure taking the inlet pressure and the max. air flow rate into consideration.

(Example) Inlet pressure: 0.6 MPa

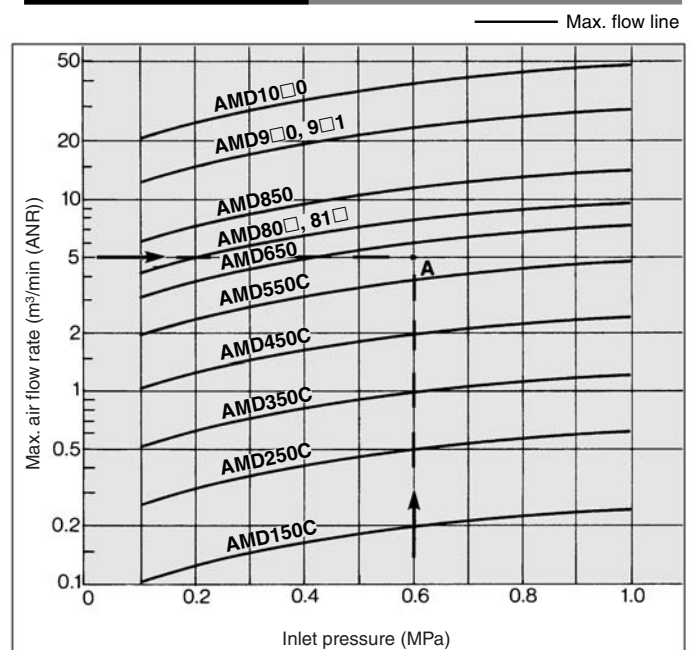
Max. air flow rate: 5 m³/min (ANR)

- Obtain the intersecting point A of inlet pressure and max. air flow rate in the graph.
- The AMD650 is obtained when the max. flow line is above the intersecting point A in the graph.



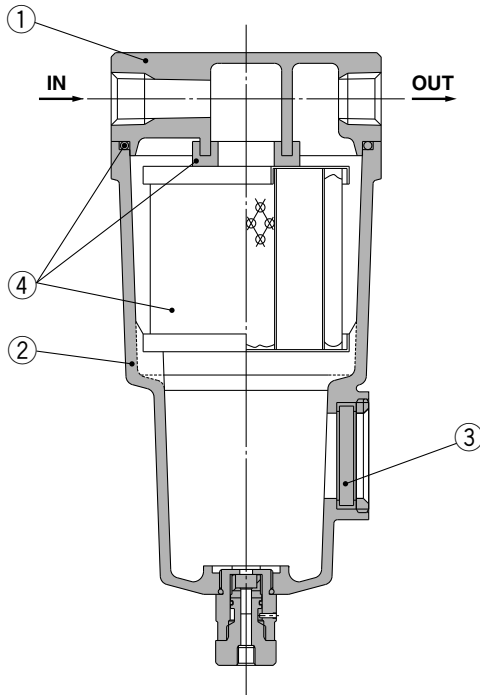
Note) Make sure to select a model that has the max. flow line above the obtained intersecting point. With a model that has the max. flow line below the obtained intersecting point, the flow rate will be exceeded, thus leading to a problem such as being unable to satisfy the specifications.

Maximum Air Flow

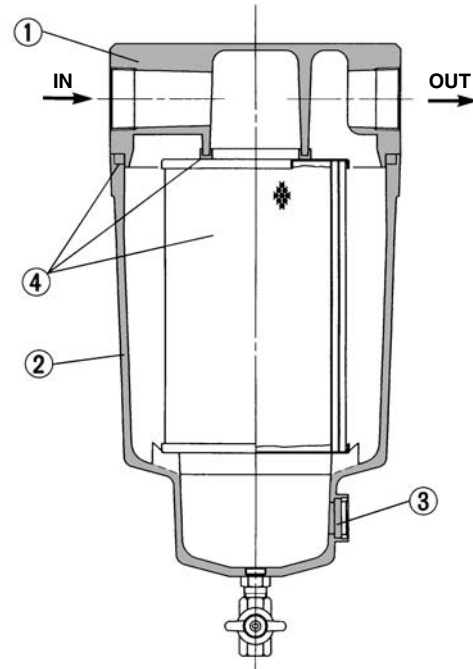


Construction

AMD150C to 550C, AMD650



AMD850



Component Parts

No.	Description	Material	Note
1	Body	Aluminum die-casted	Chrome treated
2	Housing	Aluminum die-casted*	Epoxy coating on inner surface
3	Sight glass	Tempered glass	—

* The AMD850 is aluminum casted.



Note) Refer to "How to Order Bowl Assembly" on page 63.



Note) Sight glass is indicated in the figure for easy understanding of component parts. However, it differs from the actual construction. Refer to dimensions on pages 31 through to 34 for details.

Replacement Parts

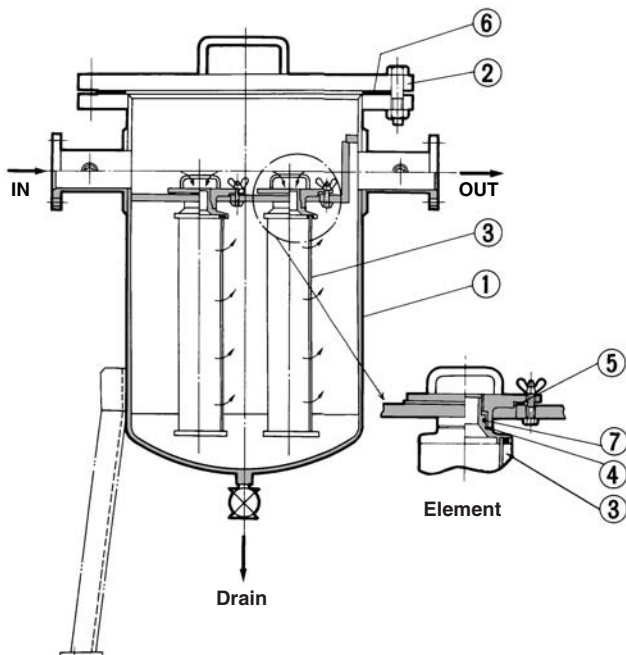
No.	Description	Material	Applicable model	Model						
				AMD150C	AMD250C	AMD350C	AMD450C	AMD550C	AMD650	AMD850
4	Element assembly	Glass fiber, others	Except option F	AMD-EL150	AMD-EL250	AMD-EL350	AMD-EL450	AMD-EL550	AMD-EL650	AMD-EL850
			For option F	AMD-EL150-F	AMD-EL250-F	AMD-EL350-F	AMD-EL450-F	AMD-EL550-F	—	—

* Element assembly: With gasket (1 pc.) and O-ring (1 pc.)

* Refer to back page 6 for replacement of auto drain.

* Element assemblies for Made to Order (X6, X12, X15, X17, X20, X26, X37) are same as those for standard (see the above table).

AMD80□/81□/9□0/9□1/10□0



Component Parts/Material

No.	Description	Model		Note
		AMD800/810/9□0/10□0	AMD801/811/9□1	
1	Filter case	SGP-E, SS400	SGP-E, SS400	
2	Cover	SS400	SGP-E, SS400	

Replacement Parts

No.	Description	Material	Model				
			AMD800/810	AMD801/811	AMD9□0	AMD9□1	AMD10□0
3	Element	—	63174	63174	63174 3 pcs.	63174 3 pcs.	63174 5 pcs.
4	Seal	NBR	63148	63148	63148 3 pcs.	63148 3 pcs.	63148 5 pcs.
5	Seal	NBR	O.D112 x I.D90 x T3	—	O.D112 x I.D90 x T3 3 pcs.	—	O.D112 x I.D90 x T3 5 pcs.
6	Gasket	V#6500	AL-61S	AL-60S	AL-63S	AL-62S	AL-31S
7	O-ring	NBR	JIS B2401G35 1 pc.	JIS B2401G35 1 pc.	JIS B2401G35 3 pcs.	JIS B2401G35 3 pcs.	JIS B2401G35 5 pcs.