

How to Order



AM150C to 550C

AM **550C** - **10** - - - -

Body size

| Symbol | Applicable compressor output (guide) |
|-------------|--------------------------------------|
| 150C | 2.2 kW |
| 250C | 3.7 kW |
| 350C | 7.5 kW |
| 450C | 11 kW |
| 550C | 22 kW |

Thread type

| Symbol | Type |
|----------|------|
| — | Rc |
| F | G |
| N | NPT |

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 |
|------------|--|------------------|
| — | — | — |
| X6 | With differential pressure gauge (GD40-2-01) | P.64 |
| X26 | N.C., N.O. auto drain, drain piping type | P.65 |

Port size

| Symbol | Size | Applicable body size | | | | |
|-----------|------|----------------------|------|------|------|------|
| | | 150C | 250C | 350C | 450C | 550C |
| 01 | 1/8 | ● | | | | |
| 02 | 1/4 | ● | ● | | | |
| 03 | 3/8 | | ● | ● | | |
| 04 | 1/2 | | | ● | ● | |
| 06 | 3/4 | | | | ● | ● |
| 10 | 1 | | | | | ● |

Accessory

| Symbol | Description |
|----------|-------------|
| — | — |
| B | Bracket *2 |

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

Option *3

| Symbol | Description |
|----------|---|
| — | — |
| F | Rubber material: Fluororubber |
| H | For medium air pressure (1.6 MPa) |
| J | Drain guide 1/4 female threaded *4 |
| R | IN-OUT reversal direction |
| U | With differential pressure switch (30 VDC) *5 |
| T | Element service indicator |
| V | Degreasing wash, *6 white vaseline |

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

*5 Differential pressure gauge is included, (but not assembled).

*6 Only body/housing is degreasing washed.

Auto Drain Specifications/Option Combinations

◎: All draining specifications are available (including drain guide, J type).

△: N.C. auto drain (C type) is not available.

▼: N.C. auto drain (C type) and N.O. auto drain (D type) are not available.

| | — | F | H | R | U | T | V |
|----------|------|---|---|------|------|------|---|
| — | ◎ | ◎ | △ | ◎ | | Note | ◎ |
| F | ◎ | ◎ | ▼ | ◎ | | | ▼ |
| H | △ | ▼ | △ | △ | | | ▼ |
| R | ◎ | ◎ | △ | | Note | | ◎ |
| U | Note | | | Note | | | |
| T | Note | | | Note | | | ◎ |
| V | ◎ | ▼ | ▼ | ◎ | | ◎ | ◎ |

Note) one of them selectable ◻ : Not available

Auto drain *3

| Symbol | Description |
|----------|------------------------------------|
| — | Drain cock (Without auto drain) *4 |
| C | N.C. auto drain |
| D | N.O. auto drain |

*3 Refer to the table below for the combination between the draining specification and option. (Only one draining specification is selectable).

*4 When the option J is selected, the auto drain and drain cock are not available.

Options

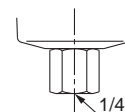
Symbol F: Rubber material: Fluororubber

Fluororubber is used for the parts such as O-ring and gasket.

Symbol H: For medium air pressure (1.6 MPa)

Can be used up to 1.6 MPa at maximum.

Symbol J: Drain guide 1/4 female threaded



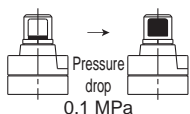
Can be piped to the drain exhaust port.

1/4 female threaded

Symbol R: IN-OUT reversal direction

Air flow in the separator is changed to right to left.
(Air flow direction of the standard: Left to right.)

Symbol T: With element service indicator

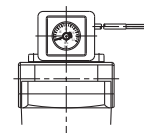


Saturation of the separator can be observed visually. (Element life check)

Symbol V: Degreasing wash, white vaseline

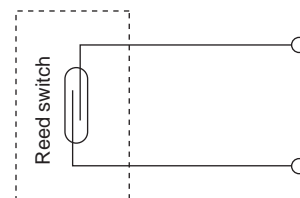
Body/housing is degreasing washed. The lubrication grease for O-ring and gasket is changed to white vaseline.

Symbol U: With differential pressure switch (with indicator)



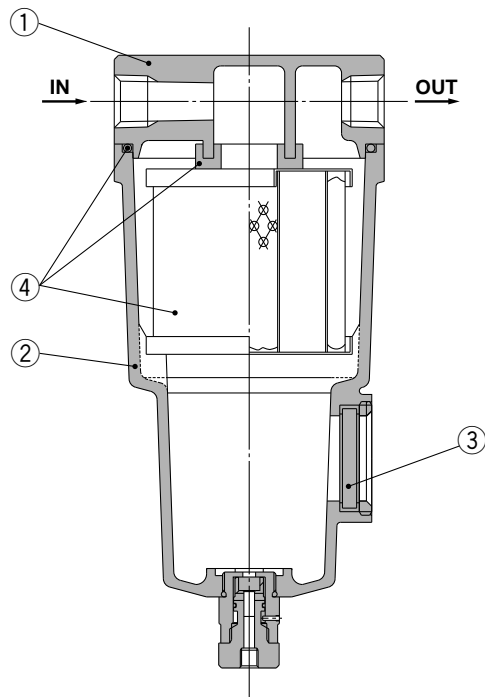
Saturation of the separator can be observed visually or by an electrical signal. (Element life check)

Max. contact capacity: 10 W DC
Rated contact voltage (max. operating current): 30 V DC (0.33 A)

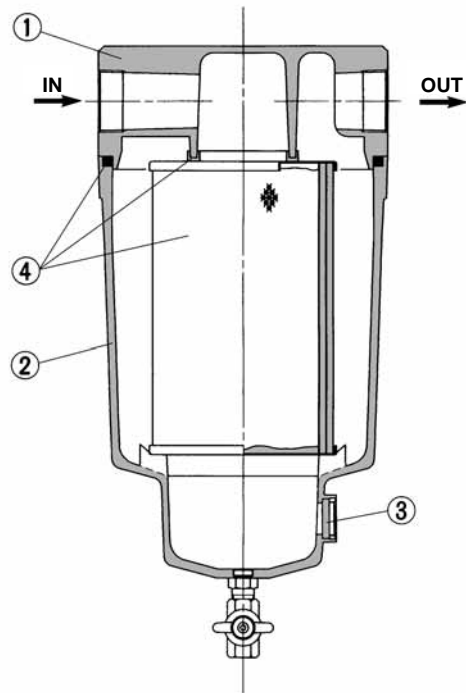


Construction

AM150C to 550C, AM650



AM850



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 AM850 is aluminum casted.



Note) Refer to "How to Order Bowl Assembly" on page 59.



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 23 through to 25 for details.

Replacement Parts

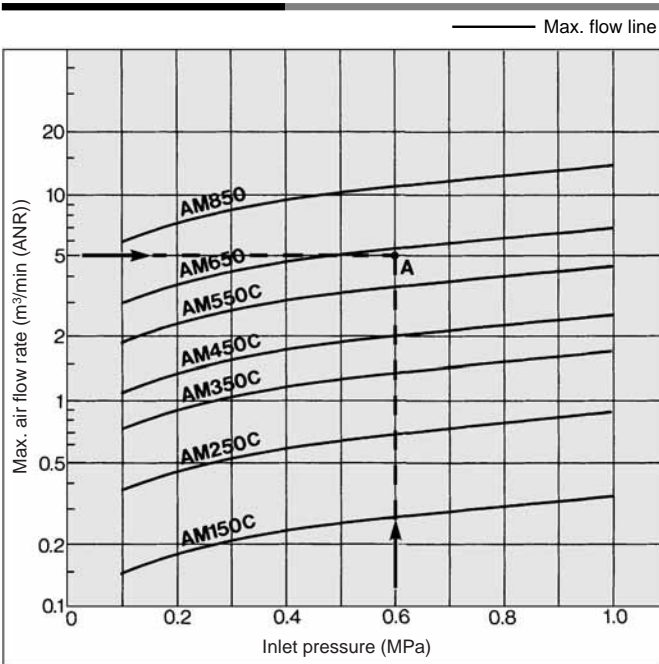
| No. | Description | Material | Applicable model | Model | | | | | | |
|-----|------------------|---------------------|------------------|------------|------------|------------|------------|------------|----------|----------|
| | | | | AM150C | AM250C | AM350C | AM450C | AM550C | AM650 | AM850 |
| 4 | Element assembly | Glass fiber, others | Except option F | AM-EL150 | AM-EL250 | AM-EL350 | AM-EL450 | AM-EL550 | AM-EL650 | AM-EL850 |
| | | | For option F | AM-EL150-F | AM-EL250-F | AM-EL350-F | AM-EL450-F | AM-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, X20, X26) are same as those for standard (see the above table).

Maximum Air Flow



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)

1. Obtain the intersecting point A of inlet pressure and max. air flow rate in the graph.
2. The AM650 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.