

Preparation unit——GA Series

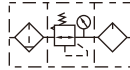


GAC100 Series F.R.L. combination



Symbol

No reflux valve is attached



Specification

| Model | GAC100M5 | GAC10006 | |
|------------------------|-------------------------|----------|----------|
| Fluid | Air | | |
| Port size [Note1] | M5 | 1/8" | |
| Filtering grade | 40μm or 5μm | | |
| Pressure range | 0.15~0.9MPa(20~130psi) | | |
| Max. pressure | 1.0MPa(145psi) | | |
| Proof pressure | 1.5MPa(215psi) | | |
| Temperature range | -5~70°C(Unfreeze) | | |
| Capacity of drain bowl | 6CC | | |
| Capacity of oil bowl | 9CC | | |
| Recommended lubricant | ISO VG 32 or equivalent | | |
| Weight | 216g | | |
| Constitute | Filter | GAF100M5 | GAF10006 |
| | Regulator | GAR100M5 | GAR10006 |
| | Lubricator | GAL100M5 | GAL10006 |

[Note1] PT thread, G thread and NPT thread are available.

Ordering code

GAC100 □ 06 □ S □ W G □

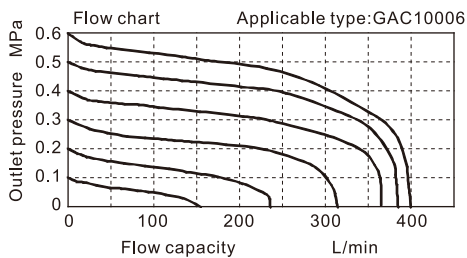
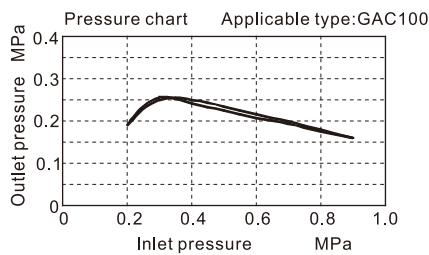
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

| ① Model | ② Bowl material | ③ Port size | ④ Drain type | ⑤ Type code | ⑥ Pressure gauge | ⑦ Filtering grade | ⑧ Thread type[Note2] | ⑨ Code of reflux valve |
|--------------------------------|-----------------|--------------------|-------------------------------------|--|--------------------------------|-----------------------|---|--|
| GAC100:GA100 Series F.R.L unit | Blank : PC bowl | M5: M5 06: 1/8" | Blank: Semi-auto drain+Manual drain | S: Standard L: Lower pressure [Note1] | Blank: Circular N: No gauge | Blank: 40μm W: 5μm | Blank: PT (MPa/psi) G: G (bar/MPa) T: NPT (psi/bar) | Blank: No reverse flow valve is attached |

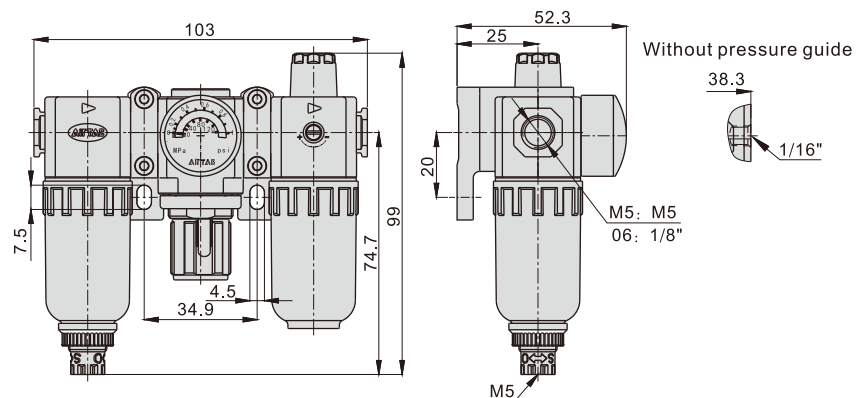
[Note1] The work pressure of lower pressure type is 0.4MPa(58psi) ;

[Note 2] Thread type means connecting thread and scales of pressure gauge while port size is M5.

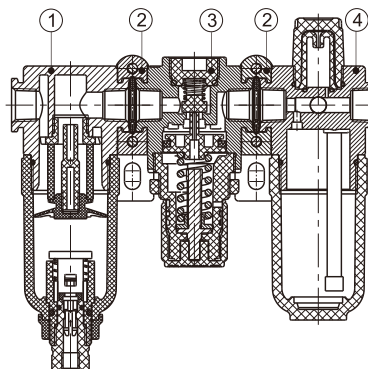
Pressure and Flow chart



Dimensions



Inner structure



| No. | Item |
|-----|--------------------------|
| 1 | GAF100 series filter |
| 2 | Bracket |
| 3 | GAR100 series regulator |
| 4 | GAL100 series lubricator |



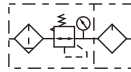
Preparation unit——GA Series

GAFC100 Series FR.L combination



Symbol

No reflux valve is attached



Specification

| Model | GAFC100M5 | GAFC10006 | |
|------------------------|-------------------------|-----------|-----------|
| Fluid | Air | | |
| Port size [Note1] | M5 | 1/8" | |
| Filtering grade | 40μm or 5μm | | |
| Pressure range | 0.15~0.9MPa(20~130psi) | | |
| Max. pressure | 1.0MPa(145psi) | | |
| Proof pressure | 1.5MPa(215psi) | | |
| Temperature range | -5~70°C(Unfreeze) | | |
| Capacity of drain bowl | 6CC | | |
| Capacity of oil bowl | 9CC | | |
| Recommended lubricant | ISO VG 32 or equivalent | | |
| Weight | 158g | | |
| Constitute | Filter & Regulator | GAFR100M5 | GAFR10006 |
| | Lubricator | GAL100M5 | GAL10006 |

[Note1] PT thread, G thread and NPT thread are available.

Ordering code

GAFC100 □ 06 □ S □ W G □

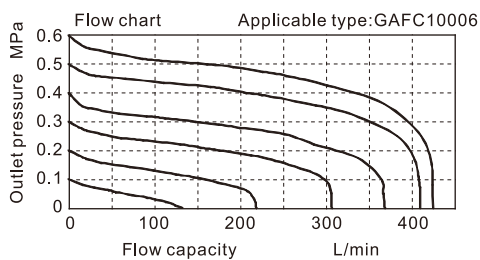
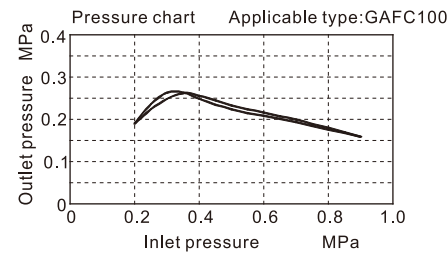
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

| ① Model | ② Bowl material | ③ Port size | ④ Drain type | ⑤ Type code | ⑥ Pressure gauge | ⑦ Filtering grade | ⑧ Thread type[Note2] | ⑨ Code of reflux valve |
|--------------------------------|-----------------|--------------------|-------------------------------------|--|--------------------------------|-----------------------|---|--|
| GAFC100:GA100 Series FR.L unit | Blank : PC bowl | M5: M5 06: 1/8" | Blank: Semi-auto drain+Manual drain | S: Standard L: Lower pressure [Note1] | Blank: Circular N: No gauge | Blank: 40μm W: 5μm | Blank: PT (MPa/psi) G: G (bar/MPa) T: NPT (psi/bar) | Blank: No reverse flow valve is attached |

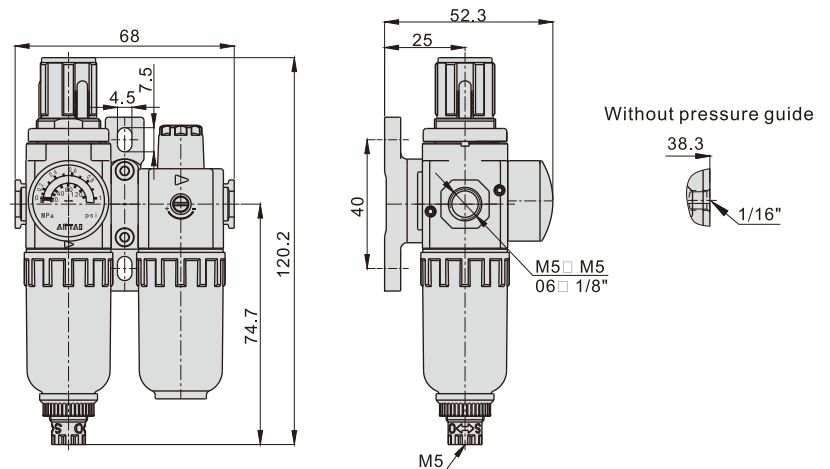
[Note1] The work pressure of lower pressure type is 0.4MPa(58psi) ;

[Note 2] Thread type means connecting thread and scales of pressure gauge while port size is M5.

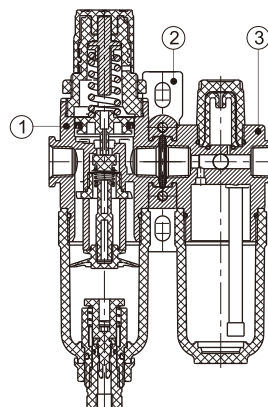
Pressure and Flow chart



Dimensions



Inner structure



| No. | Item |
|-----|-----------------------------------|
| 1 | GAFC100 series filter & regulator |
| 2 | Bracket |
| 3 | GAL 100 series lubricator |

Preparation unit—GA Series



GAFR100 Series filter & regulator



Symbol

No reflux valve is attached



Specification

| Model | GAFR100M5 | GAFR10006 |
|------------------------|------------------------|-----------|
| Fluid | Air | |
| Port size [Note1] | M5 | 1/8" |
| Filtering grade | 40µm or 5µm | |
| Pressure range | 0.15~0.9MPa(20~130psi) | |
| Max. pressure | 1.0MPa(145psi) | |
| Proof pressure | 1.5MPa(215psi) | |
| Temperature range | -5~70°C(Unfreeze) | |
| Capacity of drain bowl | 6CC | |
| Weight | 80g | |

[Note1] PT thread, G thread and NPT thread are available.

Ordering code

GAFR100 □ 06 □ S □ □ W G □

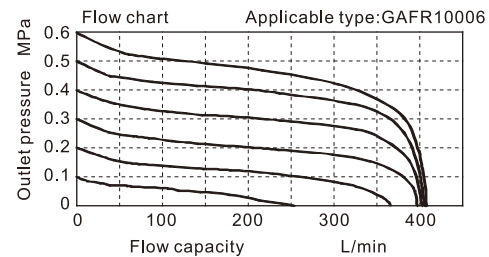
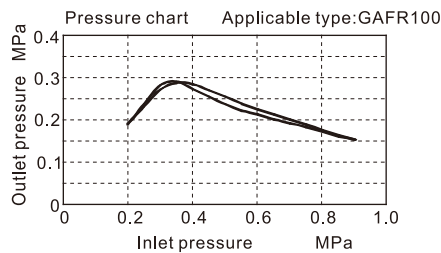
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

| ① Model | ② Bowl material | ③ Port size | ④ Drain type | ⑤ Type code | ⑥ Accessories | ⑦ Pressure gauge | ⑧ Filtering grade | ⑨ Thread type [Note2] | ⑩ Code of reflux valve |
|---|-----------------|--------------------|--------------------------------------|--|---------------------------------|--------------------------------|-----------------------|---|--|
| GAFR100:GA100 Series Filter & regulator | Blank : PC bowl | M5: M5 06: 1/8" | Blank: Semi-auto drain +Manual drain | S: Standard L: Lower pressure [Note1] | Blank: Bracket J: No bracket | Blank: Circular N: No gauge | Blank: 40µm W: 5µm | Blank: PT (MPa/psi) G: G (bar/MPa) T: NPT (psi/bar) | Blank: No reverse flow valve is attached |

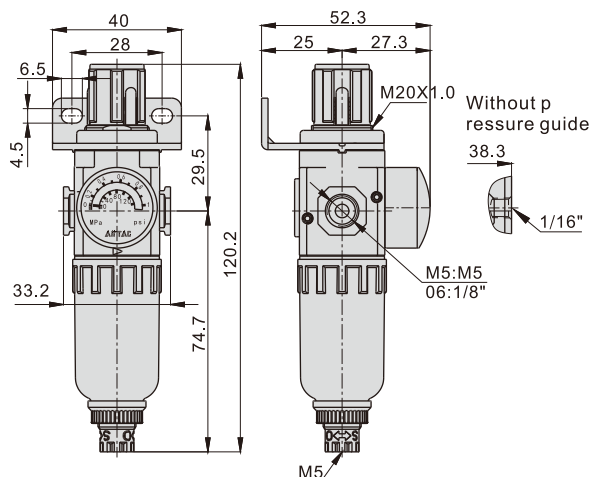
[Note1] The work pressure of lower pressure type is 0.4MPa(58psi) ;

[Note 2] Thread type means connecting thread and scales of pressure gauge while port size is M5.

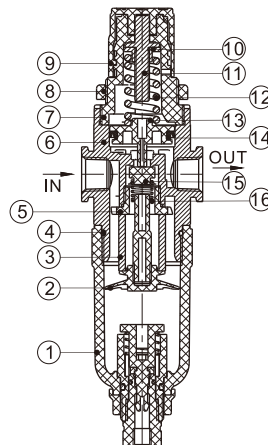
Pressure and Flow chart



Dimensions



Inner structure



| No. | Item | Material |
|-----|-------------------|-----------------|
| 1 | Drain bowl | PC |
| 2 | Umbrella baffle | POM |
| 3 | Filter core | HDPE |
| 4 | O-ring | NBR |
| 5 | Air guider | POM |
| 6 | Body | Aluminum alloy |
| 7 | Adjusting seat | POM |
| 8 | Fixation ring cap | POM |
| 9 | Pressure knob | POM |
| 10 | Spindle nut | Steel |
| 11 | Adjusting spindle | Steel |
| 12 | Spring | Spring Steel |
| 13 | Piston | POM |
| 14 | Piston O-ring | NBR |
| 15 | Adjusting plug | NBR |
| 16 | Spring | Stainless steel |



Preparation unit——GA Series



GAF100 Series Filter



Symbol



Specification

| Model | GAF100M5 | GAF10006 |
|------------------------|------------------------|----------|
| Fluid | Air | |
| Port size [Note1] | M5 | 1/8" |
| Filtering grade | 40μm or 5μm | |
| Pressure range | 0.15~0.9MPa(20~130psi) | |
| Max. pressure | 1.0MPa(145psi) | |
| Proof pressure | 1.5MPa(215psi) | |
| Temperature range | -5~70°C(Unfreeze) | |
| Capacity of drain bowl | 6CC | |
| Weight | 55g | |

[Note1] PT thread, G thread and NPT thread are available.

Ordering code

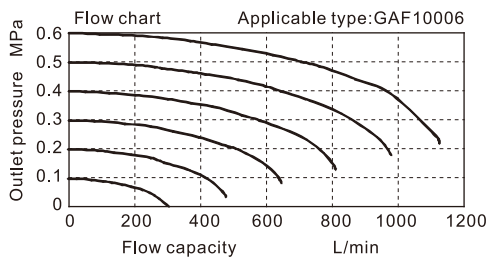
GAF100 □ 06 □ J W G



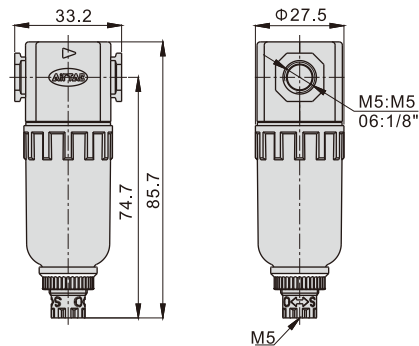
| ① Model | ② Bowl material | ③ Port size | ④ Drain type | ⑤ Accessories | ⑥ Filtering grade | ⑦ Thread type[Note1] |
|----------------------------|-----------------|-------------------|---|---------------------------------|-----------------------|-----------------------------|
| GAF100:GA100 Series Filter | Blank : PC bowl | M5: M5 06: 1/8 | Blank: Semi-auto drain +Manual drain | Blank: Bracket J: No bracket | Blank: 40μm W: 5μm | Blank: PT G: G T: NPT |

[Note 1] Standard M5 thread is blank here.

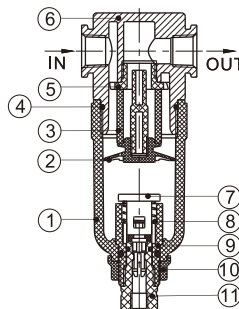
Flow chart



Dimensions



Inner structure



| No. | Item | Material |
|-----|-----------------|-----------------|
| 1 | Drain bowl | PC |
| 2 | Umbrella baffle | POM |
| 3 | Filter core | HDPE |
| 4 | O-ring | NBR |
| 5 | Airguide | POM |
| 6 | Body | Aluminum alloy |
| 7 | Piston | POM |
| 8 | Spring | Stainless steel |
| 9 | Fixed baffle | POM |
| 10 | Fixing nut | POM |
| 11 | Drain cock | POM |



Preparation unit—GA Series



GAR100 Series Regulator



Symbol

No reflux valve is attached



Specification

| Model | GAR100M5 | GAR10006 |
|-------------------|-----------------------|----------|
| Fluid | Air | |
| Port size [Note1] | M5 | 1/8" |
| Pressure range | 0.05~0.9MPa(7~130psi) | |
| Max. pressure | 1.0MPa(145psi) | |
| Proof pressure | 1.5MPa(215psi) | |
| Temperature range | -5~70°C(Unfreeze) | |
| Weight | 59g | |

[Note1] PT thread, G thread and NPT thread are available.

Ordering code

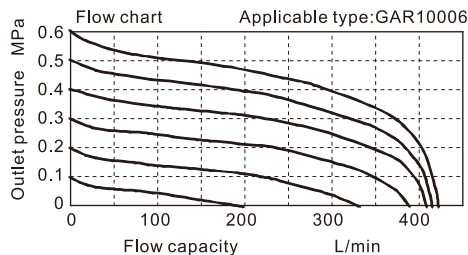
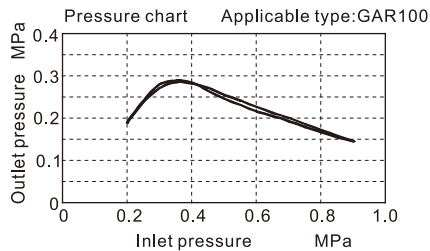
GAR100 06 S □ □ G □
 ① ② ③ ④ ⑤ ⑥ ⑦

| ① Model | ② Port size | ③ Type code | ④ Accessories | ⑤ Pressure gauge | ⑥ Thread type[Note2] | ⑦ Code of reflux valve |
|-------------------------------|-------------------|---|---------------------------------|--------------------------------|---|--|
| GAR100:GA100 Series regulator | M5: M5 06: 1/8 | S: Standard L: Lower pressure [Note1] | Blank: Bracket J: No bracket | Blank: Circular N: No gauge | Blank: PT (MPa/psi) G: G (bar/MPa) T: NPT (psi/bar) | Blank: No reverse flow valve is attached |

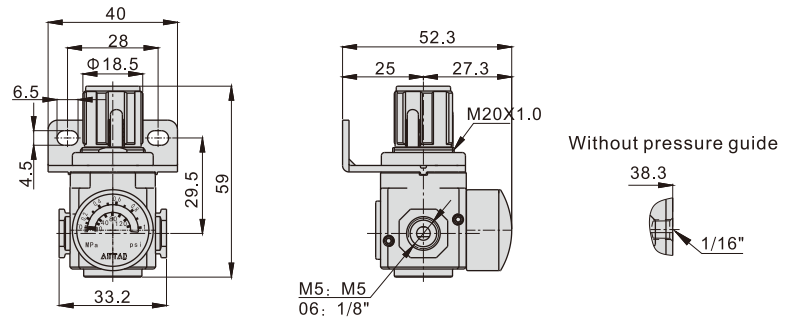
[Note1] The work pressure of lower pressure type is 0.4MPa(58psi) ;

[Note 2] Thread type means connecting thread and scales of pressure gauge while port size is M5.

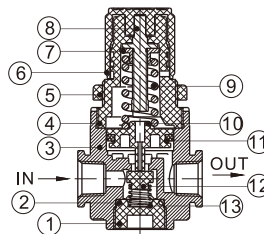
Pressure and Flow chart



Dimensions



Inner structure



| No. | Item | Material |
|-----|-------------------|-----------------|
| 1 | Valve cap | POM |
| 2 | O-ring | NBR |
| 3 | Body | Aluminum alloy |
| 4 | Adjusting seat | POM |
| 5 | Fixed ring | POM |
| 6 | Pressure knob | POM |
| 7 | Spindle nut | Steel |
| 8 | Adjusting spindle | Steel |
| 9 | Spring | Spring Steel |
| 10 | Piston | POM |
| 11 | Piston O-ring | NBR |
| 12 | Pressure plug | NBR |
| 13 | Spring | Stainless steel |



Preparation unit—GA Series



GAL100 Series Lubricator



Symbol



Specification

| Model | GAL100M5 | GAL10006 |
|-----------------------|-------------------------|----------|
| Fluid | Air | |
| Port size [Note1] | M5 | 1/8" |
| Pressure range | 0.05~0.9MPa(7~130psi) | |
| Proof pressure | 1.5MPa(215psi) | |
| Temperature range | -5~70°C(Unfreeze) | |
| Recommended lubricant | ISO VG 32 or equivalent | |
| Capacity of oil bowl | 9CC | |
| Weight | 59g | |

[Note1] PT thread, G thread and NPT thread are available.

Ordering code

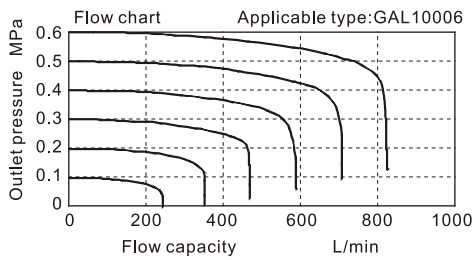
GAL100 □ 06 J G

① ② ③ ④ ⑤

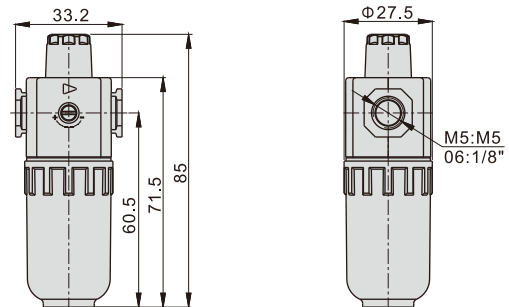
| ① Model | ② Bowl material | ③ Port size | ④ Accessories | ⑤ Thread type[Note1] |
|--------------------------|-----------------|-------------------|----------------|-----------------------------|
| GAL100: GA100 Lubricator | Blank : PC bowl | M5: M5 06: 1/8 | J : No bracket | Blank: PT G: G T: NPT |

[Note 1] Standard M5 thread is blank here.

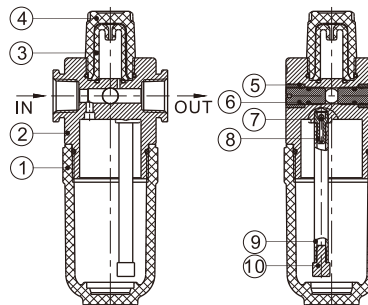
Flow chart



Dimensions



Inner structure



| No. | Item | Material |
|-----|------------------|-----------------|
| 1 | Oil bowl | PC |
| 2 | Body | Aluminum alloy |
| 3 | Drip pipe | PC |
| 4 | Adjusting looker | PC |
| 5 | Adjusting screw | Brass |
| 6 | Fixing nut | Brass |
| 7 | Steel ball | Stainless steel |
| 8 | Tube nozzle | Brass |
| 9 | Tube | PU |
| 10 | Lubricant filter | Sintered bronze |

