

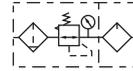
# Preparation unit—G Series

## GFC Series F.R.L. combination

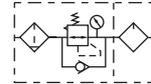


### Symbol

No reflux valve is attached



Reflux valve is attached



### Product feature

1. Quick and reliable mounting clamps makes it convenient to install and use.
2. The performance of pressure adjustment is reliable with high precision.
3. The efficiency of eliminating moisture and solid grain is high.
4. Three drain types are available: manual drain, semi-auto drain and automatic drain.

### Specification

| Model                  | GFC200-06  | GFC200-08 | GFC300-08 | GFC300-10 | GFC300-15 | GFC400-10 | GFC400-15 | GFC600-20 | GFC600-25 |           |
|------------------------|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Fluid                  | Air  |           |           |           |           |           |           |           |           |           |
| Port size [Note1]      | 1/8"   | 1/4"      | 1/4"      | 3/8"      | 1/2"      | 3/8"      | 1/2"      | 3/4"      | 1"        |           |
| Filtering grade        | 40 μm or 5 μm  |           |           |           |           |           |           |           |           |           |
| Pressure range         | Semi-auto and automatic drain: 0.15~0.9MPa(20~130psi); Manual drain: 0.05~0.9MPa(7~130psi) |           |           |           |           |           |           |           |           |           |
| Max. pressure          | 1.0MPa(145psi)   |           |           |           |           |           |           |           |           |           |
| Proof pressure         | 1.5MPa(215psi)   |           |           |           |           |           |           |           |           |           |
| Temperature range      | -5~70°C(Unfreeze)  |           |           |           |           |           |           |           |           |           |
| Capacity of drain bowl | 10CC   |           | 40CC      |           |           | 80CC      |           | 230CC     |           |           |
| Capacity of oil bowl   | 25CC   |           | 75CC      |           |           | 160CC     |           | 380CC     |           |           |
| Recommended lubricant  | ISO VG 32 or equivalent  |           |           |           |           |           |           |           |           |           |
| Weight                 | 430g   |           |           | 980g      |           |           | 1950g     |           | 4320g     |           |
| Constitute             | Filter-Regulator   | GFR200-06 | GFR200-08 | GFR300-08 | GFR300-10 | GFR300-15 | GFR400-10 | GFR400-15 | GFR600-20 | GFR600-25 |
|                        | Lubricator   | GL200-06  | GL200-08  | GL300-08  | GL300-10  | GL300-15  | GL400-10  | GL400-15  | GL600-20  | GL600-25  |

[Note1] G thread is available.

### Ordering code

**GFC200 08 M L □ F 1 W G K**

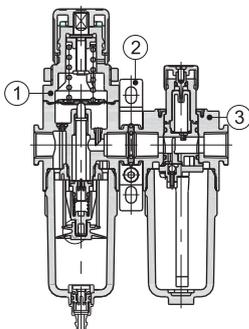
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

| ① Model  | ② Port size                                | ③ Drain type  | ④ Type code                                  | ⑤ Pressure gauge                              | ⑥ Pressure gauge shape   | ⑦ Scale                    | ⑧ Filtering grade       | ⑨ Thread type | ⑩ Code of reflux valve [Note2]  |
|--|--|---|--|---|--------------------------|----------------------------|-------------------------|---------------|---|
| GFC200: G200 Series FR.L unit                                  | 06: 1/8"<br>08: 1/4"                       | Blank: Semi-auto drain<br>M: Manual drain                       | Blank: Standard<br>L: Lower pressure [Note1] | Blank: Pressure gauge<br>N: No pressure gauge | F: Square<br>C: Circular | 1: MPa<br>2: psi<br>3: bar | Blank: 40 μm<br>W: 5 μm | G: G          | Blank: No reverse flow valve is attached<br>K: Reverse flow valve is attached |
| GFC300: G300 Series FR.L unit                                  | 08: 1/4"<br>10: 3/8"<br>15: 1/2"           | Blank: Semi-auto drain<br>M: Manual drain<br>A: Automatic drain |  |   |                          |                            |                         |               |   |
| GFC400: G400 Series FR.L unit<br>GFC600: G600 Series FR.L unit | 10: 3/8"<br>15: 1/2"<br>20: 3/4"<br>25: 1" |   |  |   |                          |                            |                         |               |   |

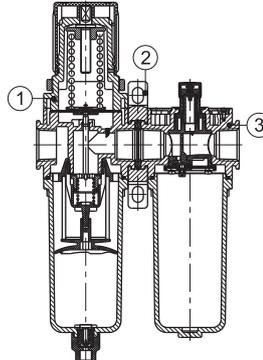
[Note1] The maximum work pressure of lower pressure type is 0.4MPa(58psi); [Note2] Please refer to page 170 for details of reflux valve.

### Inner structure

GFC200



GFC600

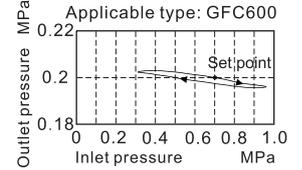
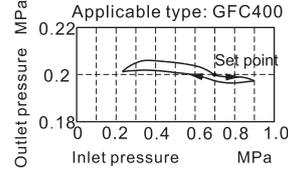
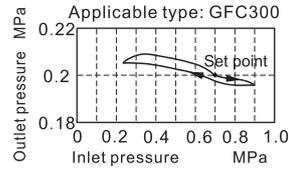
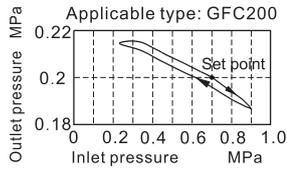


| No. | Item                      |
|-----|---------------------------|
| 1   | G series filter-regulator |
| 2   | Bracket                   |
| 3   | G series lubricator       |

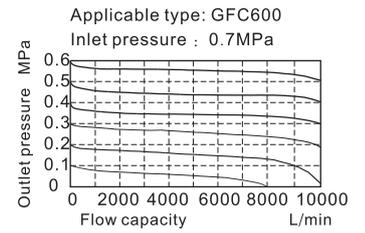
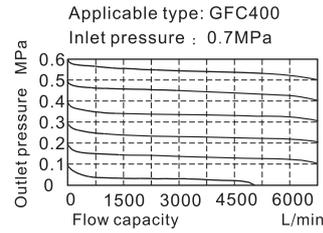
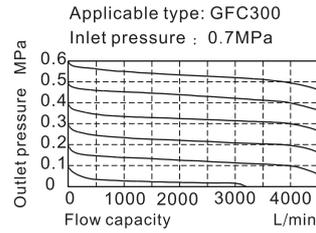
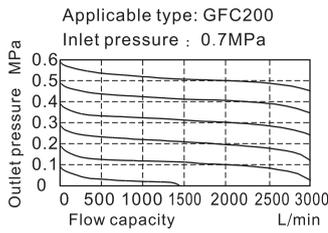
# Preparation unit—G Series

## GFC Series F.R.L. combination

### Pressure chart

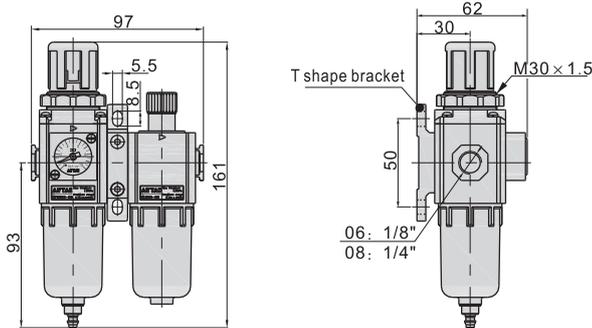


### Flow chart

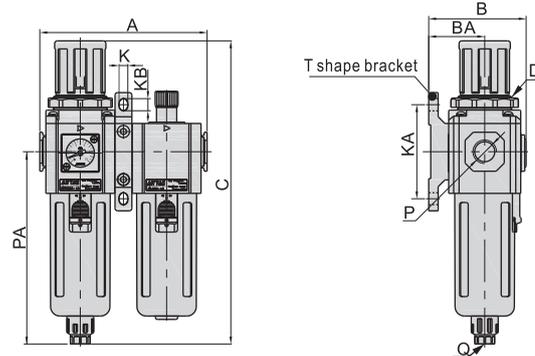


### Dimensions

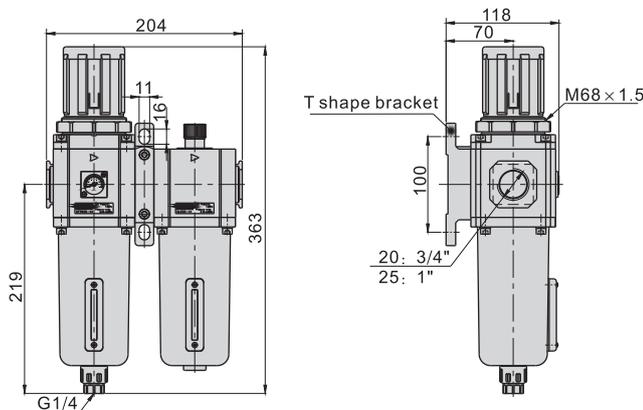
#### GFC200



#### GFC300\GFC400



#### GFC600



| Model\Item | A   | B  | BA   | C     | D       | K   | KA | KB | P    | PA    | Q    |
|------------|-----|----|------|-------|---------|-----|----|----|------|-------|------|
| GFC300-08  | 124 | 72 | 41.5 | 225.5 | M40x1.5 | 6.5 | 70 | 9  | 1/4" | 143   | G1/8 |
| GFC300-10  | 124 | 72 | 41.5 | 225.5 | M40x1.5 | 6.5 | 70 | 9  | 3/8" | 143   | G1/8 |
| GFC300-15  | 124 | 72 | 41.5 | 225.5 | M40x1.5 | 6.5 | 70 | 9  | 1/2" | 143   | G1/8 |
| GFC400-10  | 164 | 89 | 50   | 270.5 | M55x2.0 | 8.5 | 80 | 12 | 3/8" | 166.5 | G1/4 |
| GFC400-15  | 164 | 89 | 50   | 270.5 | M55x2.0 | 8.5 | 80 | 12 | 1/2" | 166.5 | G1/4 |

