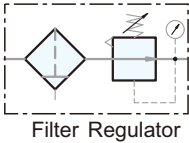


## Miniature Filter Regulator

### Symbol



### Features

1. Remove water and particle effectively.
2. Compact size with effective air service.
3. 40μm and 5μm filter element are easily interchangeable and replaceable.
4. Accurate and easy pressure setting.



### How to order

| FR500A                              | — | 02                | N         | C              | H                       | A                           | K                 |
|-------------------------------------|---|-------------------|-----------|----------------|-------------------------|-----------------------------|-------------------|
| Miniature Filter Regulator          |   | Port size         | Thread    | Filtration     | Drain                   | Bowl                        | Bowl guard        |
| FR500A : 0.5~9.9kgf/cm <sup>2</sup> |   | 01 : 1/8"(option) | Blank : G | PE             | Blank : Semi-auto drain | Blank : Standard bowl       | Blank : W/O guard |
| FR500AL4 : 0.5~4kgf/cm <sup>2</sup> |   | 02 : 1/4"         | N : NPT   | Blank : 5μm    | H : Manual drain        | A : Anti-acid & alkali bowl | K : W/I guard     |
| FR500AL2 : 0.5~2kgf/cm <sup>2</sup> |   |                   | R : Rc    | C : 40μm       | D : Auto drain          |                             |                   |
|                                     |   |                   |           | Sintered brass |                         |                             |                   |
|                                     |   |                   |           | S : 5μm        |                         |                             |                   |
|                                     |   |                   |           | T : 40μm       |                         |                             |                   |

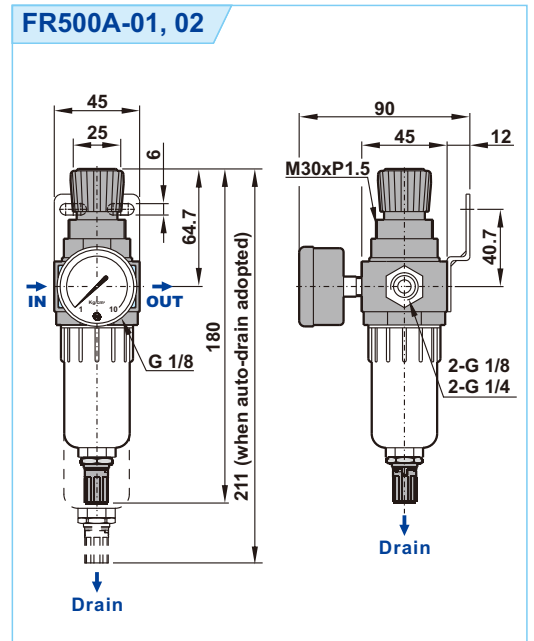
Please contact our sales for non-relieving type.

\*For non-relieving type, the secondary pressure is not allowed to be exhausted when it is higher than setting pressure.

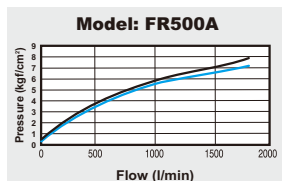
### Specifications

| Model                           | FR500A-01                                                                                     | FR500A-02 |
|---------------------------------|-----------------------------------------------------------------------------------------------|-----------|
| Port size                       | 1/8" (option)                                                                                 | 1/4"      |
| Fluid                           | Compressed air                                                                                |           |
| Regulator construction          | Diaphragm                                                                                     |           |
| Body material                   | Polycarbonate                                                                                 |           |
| Bowl material                   | Polycarbonate (Standard)                                                                      |           |
| Filtration                      | PE: 5μm (Standard), 40μm (Option)<br>Sintered brass (Option): 5μm, 40μm                       |           |
| Operating pressure range        | 0.5 ~ 9.9 kgf/cm <sup>2</sup><br>(L4: 4.0 kgf/cm <sup>2</sup> , L2: 2.0 kgf/cm <sup>2</sup> ) |           |
| Max. inlet pressure             | 12 kgf/cm <sup>2</sup>                                                                        |           |
| Max. flow rate l/min (ANR) 40μm | 1840                                                                                          | 1940      |
| Ambient temperature             | -10℃ ~ 60℃                                                                                    |           |
| Filter bowl capacity            | 35cc                                                                                          |           |
| Standard drain                  | Semi-auto drain (Drains below 0.5kgf/cm <sup>2</sup> )                                        |           |
| Net weight                      | 370g                                                                                          |           |
| Accessories                     | Pressure gauge, Mounting bracket set, Plug                                                    |           |

### Dimensions



### Flow chart



### Note:

X axis: Flow (l/min)

Y axis: Pressure (kgf/cm<sup>2</sup>)

Blue line (P0) = Outlet pressure

Black line (P1) = Inlet pressure

P1-P0=Pressure range