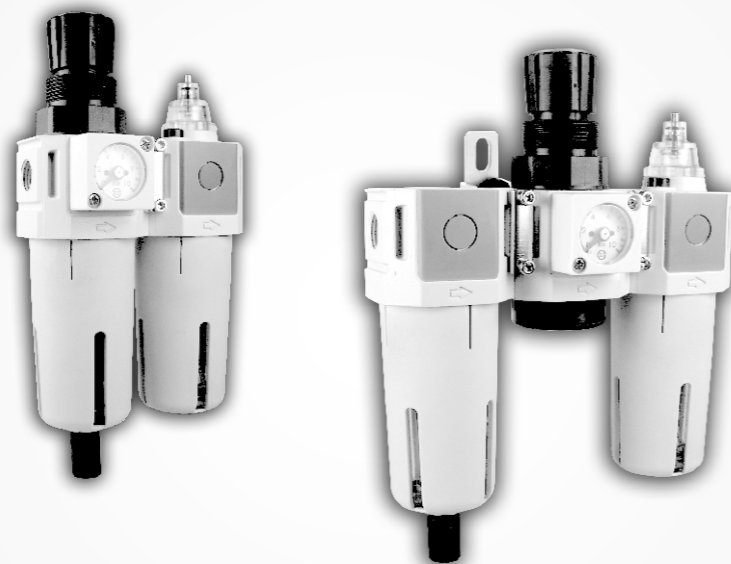
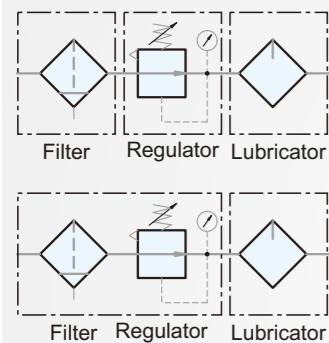


### Symbol



### Features

- \* Remove water and particle effectively.
- \* Compact size with effective air service.
- \* 40  $\mu\text{m}$  and 5  $\mu\text{m}$  filter element are easily interchangeable and replaceable.
- \* Accurate and easy pressure setting.
- \* Oil spray in mist ensures good lubrication for machines.

### How to order

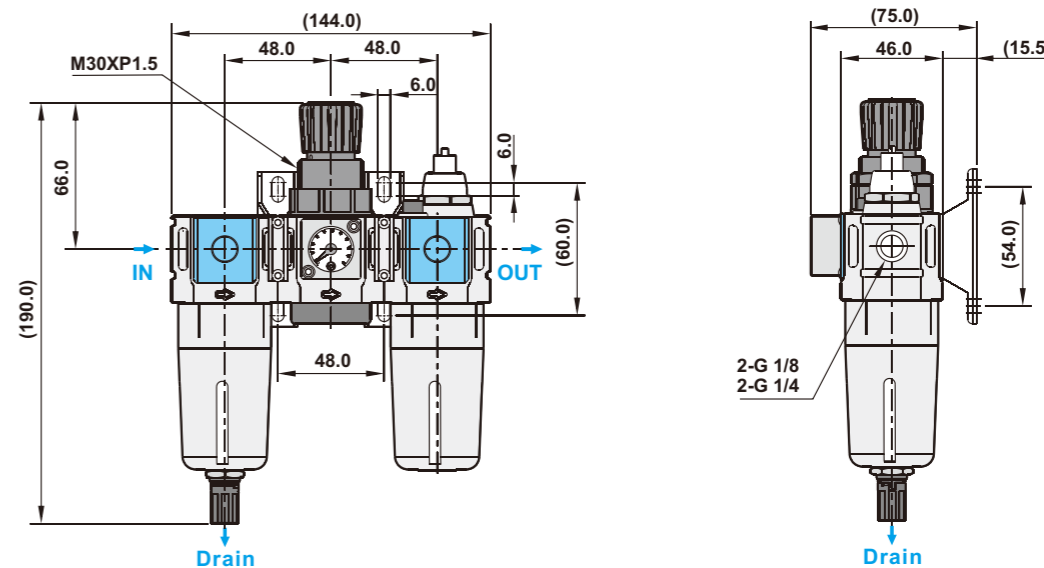
<b>FRL700C</b>		<b>02</b>	<b>N</b>	<b>C</b>	<b>G</b>	<b>H</b>
<b>FRL700C</b>	Miniature Filter+Regulator+Lubricator	<b>Port size</b>	<b>Thread</b>	<b>Filtration</b>	<b>Gauge type</b>	<b>Drain</b>
<b>FRL600C</b>	Miniature Filter Regulator+Lubricator	01 1/8" Option	Blank G N NPT	Blank 5 $\mu\text{m}$ C 40 $\mu\text{m}$	Blank Square G Circle	Blank Semi-auto drain H Manual drain
		02 1/4" Standard				

### Specifications

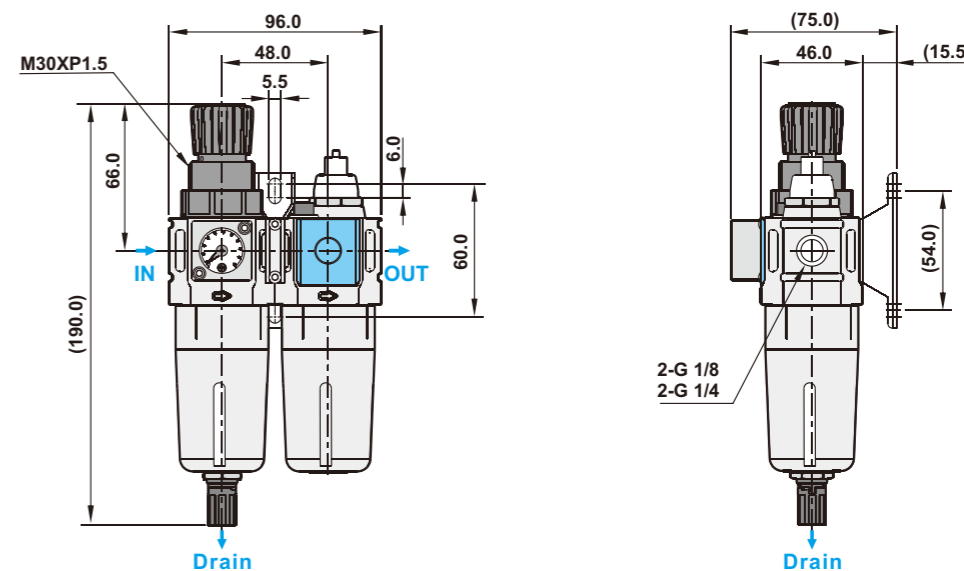
Model	FRL700C-01	FRL700C-02	FRL600C-01	FRL600C-02
Port size	1/8" (Option)	1/4" (Standard)	1/8" (Option)	1/4" (Standard)
Fluid	Compressed air			
Regulator construction	Diaphragm			
Body material	Aluminum die-cast			
Bowl material	Polycarbonate (Standard)			
Filtration	5 $\mu\text{m}$ (Standard) · 40 $\mu\text{m}$ (Option)			
Operating pressure range	0.5 ~ 9.9 kgf/cm <sup>2</sup>			
Proof pressure (Standard bowl)	12 kgf/cm <sup>2</sup>			
Max. flow rate l/min (ANR)	1875		1750	1850
Ambient temperature	-10°C ~ 60°C			
Lubricator oil (Recommended)	ISO-VG32			
Filter bowl capacity	40cc			
Lubricator bowl capacity	50cc			
Standard drain	Semi-auto drain (Drains below 0.5kgf/cm <sup>2</sup> )			
Net weight	765g		560g	
Accessories	Pressure gauge, Mounting bracket, Plug, Screw x 2			
Option	Gauge plate			

### Dimensions

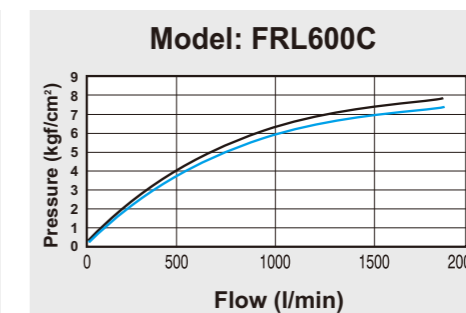
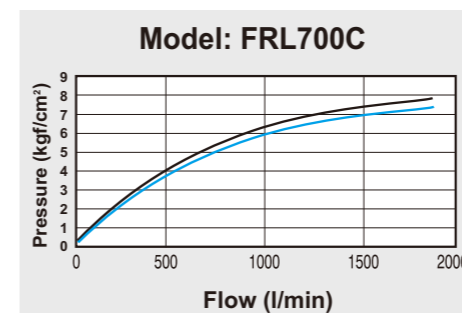
#### FRL700C-01, 02



#### FRL600C-01, 02

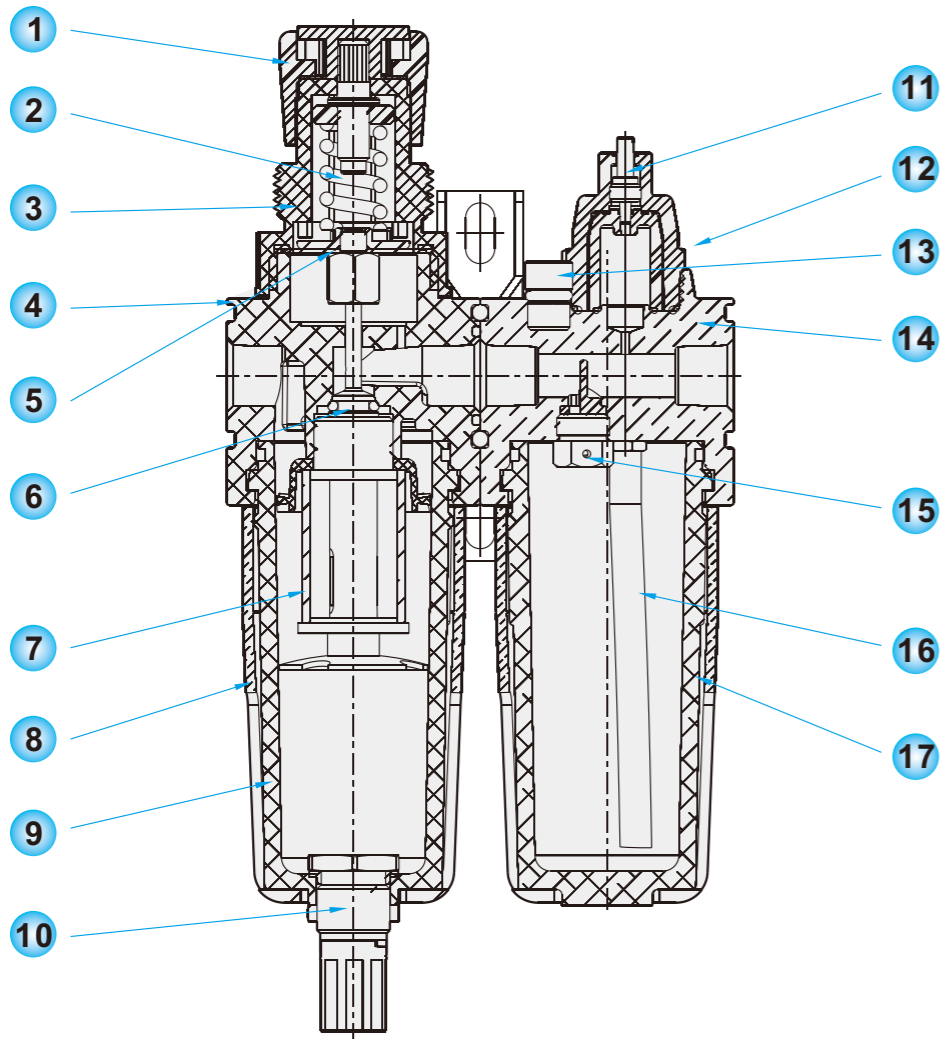


### Flow chart



**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

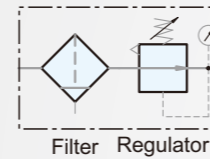
## Construction



No.	Description	Material
1	Pressure regulating knob	NY
2	Spring	Spring steel+Ni
3	Regulator base	NY+GF
4	Regulator body	AL(ADC12)
5	Piston	AL(ADC12)
6	Pressure regulating needle	Cu+NBR
7	Filter element	Sopong
8	Bowl guard	NY+GY
9	Filter bowl	PC

No.	Description	Material
10	Semi-auto drain	POM
11	Oil adjusting screw	Cu+Ni
12	Oil viewer	GV4H
13	Oil filling plug	Cu+Ni
14	Lubricator body	AL(ADC12)
15	Check valve	Cu
16	Oil pipe	PU
17	Lubricator bowl	PC

## Symbol



## Features

- \* Remove water and particle effectively.
- \* Compact size with effective air service.
- \* 40 μm and 5 μm filter element are easily interchangeable and replaceable.
- \* Accurate and easy pressure setting.

## How to order

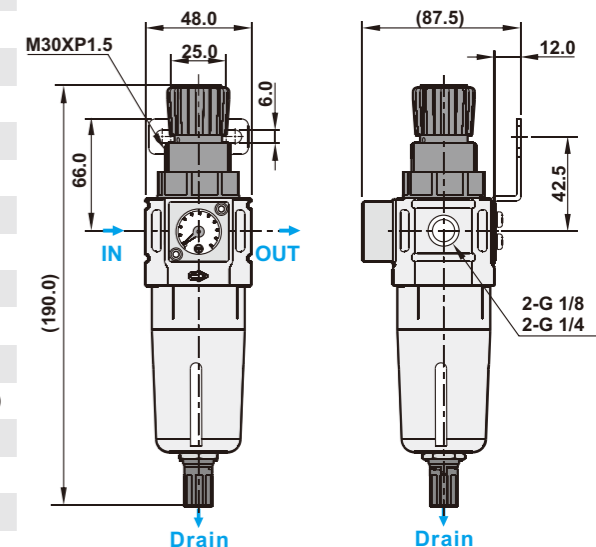
<b>FR500C</b>		<b>02</b>	<b>N</b>	<b>C</b>	<b>G</b>	<b>H</b>
Miniature Filter Regulator		Port size	Thread	Filtration	Gauge type	Drain
FR	Filter Regulator	01 1/8" Option 02 1/4" Standard	Blank G N NPT	Blank 5 μm C 40 μm	Blank Square G Circle	Blank Semi-auto drain H Manual drain

## Specifications

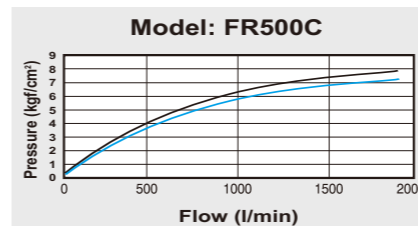
Model	FR500C-01	FR500C-02
Port size	1/8" (Option)	1/4" (Standard)
Fluid	Compressed air	
Regulator construction	Diaphragm	
Body material	Aluminum die-cast	
Bowl material	Polycarbonate (Standard)	
Filtration	5 μm (Standard) · 40 μm (Option)	
Operating pressure range	0.5 ~ 9.9 kgf/cm <sup>2</sup>	
Proof pressure(Standard bowl)	12 kgf/cm <sup>2</sup>	
Max. flow rate l/min (ANR)	1800	1880
Ambient temperature	-10°C ~ 60°C	
Filter bowl capacity	40cc	
Standard drain	Semi-auto drain (Drains below 0.5kgf/cm <sup>2</sup> )	
Net weight	365g	
Accessories	Mounting bracket, Plug, Screw x 2	
Option	Mounting nut	

## Dimensions

### FR500C-01, 02



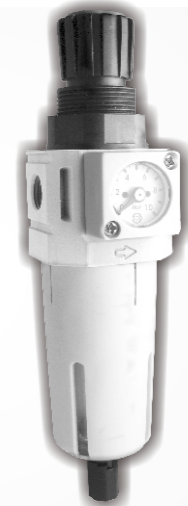
## Flow chart



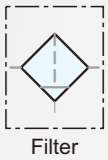
### Note:

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



**Symbol**



**Features**

- \* Remove water and particle effectively.
- \* Compact size with effective air service.
- \* 40 μm and 5 μm filter element are easily interchangeable and replaceable.

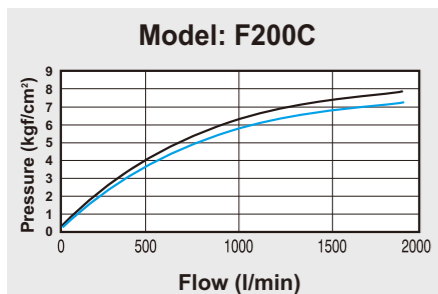
**How to order**

<b>F200C</b>	—	<b>02</b>	<b>N</b>	<b>C</b>	<b>H</b>
Miniature Filter		Port size	Thread	Filtration	Drain
		01 1/8" Option 02 1/4" Standard	Blank G N NPT	Blank 5 μm C 40 μm	Blank Semi-auto drain H Manual drain

**Specifications**

Model	F200C-01	F200C-02
Port size	1/8" (Option)	1/4" (Standard)
Fluid	Compressed air	
Body material	Aluminum die-cast	
Bowl material	Polycarbonate (Standard)	
Filtration	5 μm (Standard) · 40 μm (Option)	
Operating pressure range	0.5 ~ 9.9 kgf/cm <sup>2</sup>	
Proof pressure (Standard bowl)	12 kgf/cm <sup>2</sup>	
Max. flow rate l/min (ANR)	1900	
Ambient temperature	-10°C ~ 60°C	
Filter bowl capacity	40cc	
Standard drain	Semi-auto drain (Drains below 0.5kgf/cm <sup>2</sup> )	
Net weight	245g	
Accessories	Mounting bracket, Screw x 2	

**Flow chart**

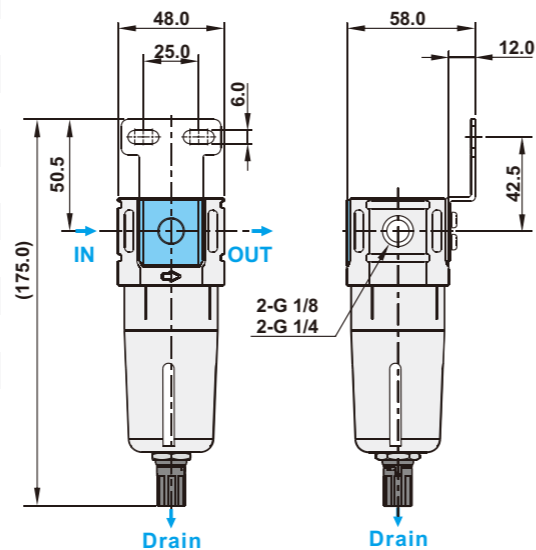


**Note:**  
X axis: Flow (l/min)  
Y axis: Pressure (kgf/cm<sup>2</sup>)



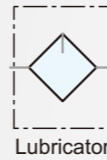
**Dimensions**

**F200C-01, 02**



Blue line (P0) = Outlet pressure  
Black line (P1) = Inlet pressure  
P1-P0 = Pressure range

**Symbol**



**Features**

- \* Oil spray in mist ensures good lubrication for machines.

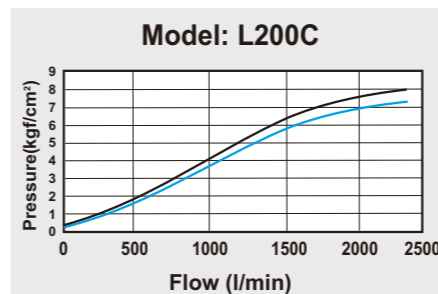
**How to order**

<b>L200C</b>	—	<b>02</b>	<b>N</b>
Miniature Lubricator		Port size	Thread
		01 1/8" Option 02 1/4" Standard	Blank G N NPT

**Specifications**

Model	L200C-01	L200C-02
Port size	1/8" (Option)	1/4" (Standard)
Fluid	Compressed air	
Body material	Aluminum die-cast	
Bowl material	Polycarbonate (Standard)	
Operating pressure range	0.5 ~ 10 kgf/cm <sup>2</sup>	
Proof pressure	12 kgf/cm <sup>2</sup>	
Max. flow rate l/min (ANR)	2490	
Ambient temperature	-10°C ~ 60°C	
Lubricator oil (Recommended)	ISO-VG32	
Lubricator bowl capacity	50cc	
Net weight	245g	
Accessories	Mounting bracket, Screw x 2	

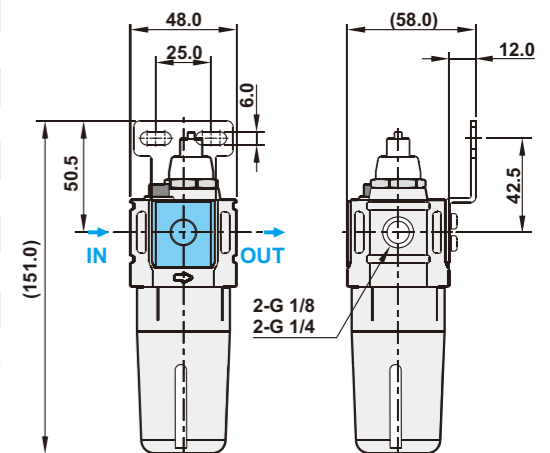
**Flow chart**



**Note:**  
X axis: Flow (l/min)  
Y axis: Pressure (kgf/cm<sup>2</sup>)

**Dimensions**

**L200C-01, 02**



Blue line (P0) = Outlet pressure  
Black line (P1) = Inlet pressure  
P1-P0 = Pressure range

