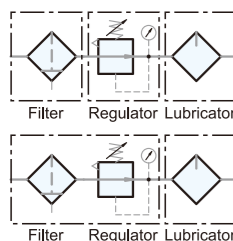


Miniature F.R.L Combination

Filter + Regulator + Lubricator & Filter Regulator + Lubricator

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.
5. Oil spray in mist ensures good lubrication for machines.



*Lubricator oil (Recommended): ISO-VG32

How to order

FRL700C	02	N	C	B	H
FRL700C : Miniature Filter+Regulator+Lubricator	Port size 01 : 1/8"(option) 02 : 1/4"	Thread Blank : G N : NPT R : Rc	Filtration PE Blank : 5µm C : 40µm Sintered brass S : 5µm T : 40µm	Gauge type Blank : Circle B : Square	Drain Blank : Semi-auto drain H : Manual drain D : Auto drain

Please contact our sales for non-relieving type.

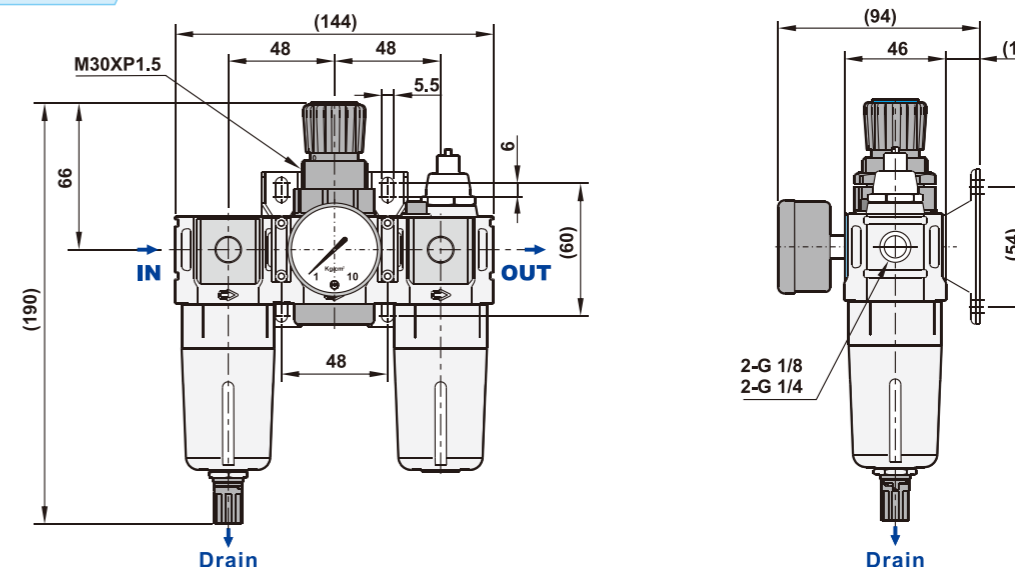
*For non-relieving type, the secondary pressure is not allowed to be exhausted when it is higher than setting pressure.

Specifications

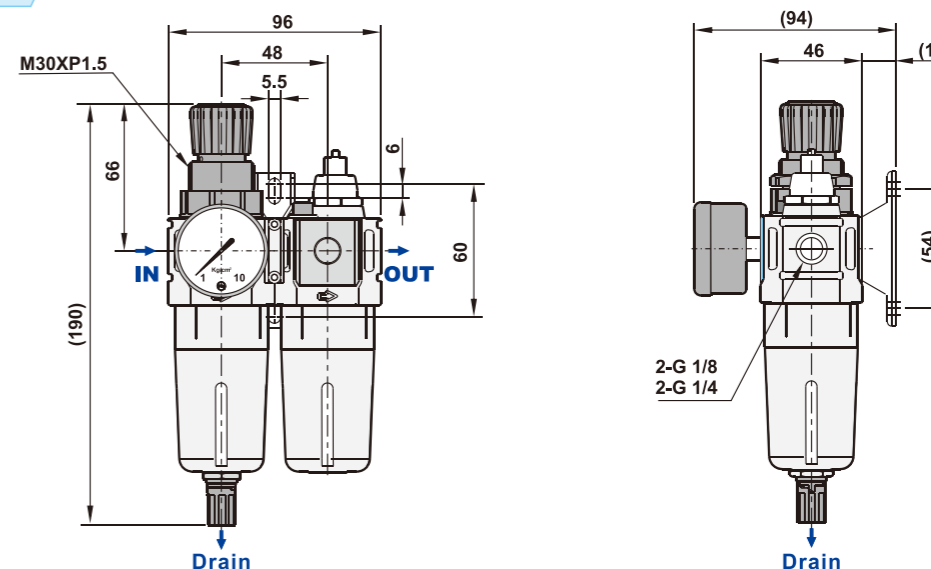
Model	FRL700C-01	FRL700C-02	FRL600C-01	FRL600C-02
Port size	1/8" (option)	1/4"	1/8" (option)	1/4"
Fluid	Compressed air			
Regulator construction	Piston			
Body material	Aluminum die-cast			
Bowl material	Polycarbonate (Standard)			
Filtration	PE: 5µm (Standard), 40µm (Option); Sintered brass(Option):5µm, 40µm			
Operating pressure range	0.5 ~ 9.9 kgf/cm ²			
Max. inlet pressure	12 kgf/cm ²			
Max. flow rate l/min (ANR) 40µm	1875		1750	1850
Ambient temperature	-10°C ~ 60°C			
Filter bowl capacity	40cc			
Lubricator bowl capacity	50cc			
Standard drain	Semi-auto drain (Drains below 0.5kgf/cm ²)			
Net weight	765g		560g	
Accessories	Pressure gauge, Mounting bracket set, Plug			

Dimensions

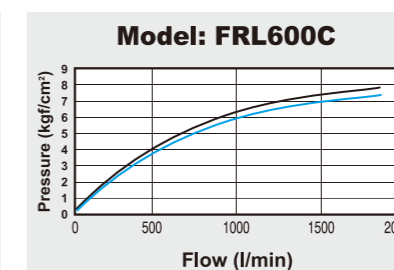
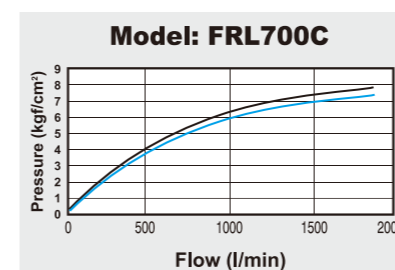
FRL700C-01, 02



FRL600C-01, 02



Flow chart



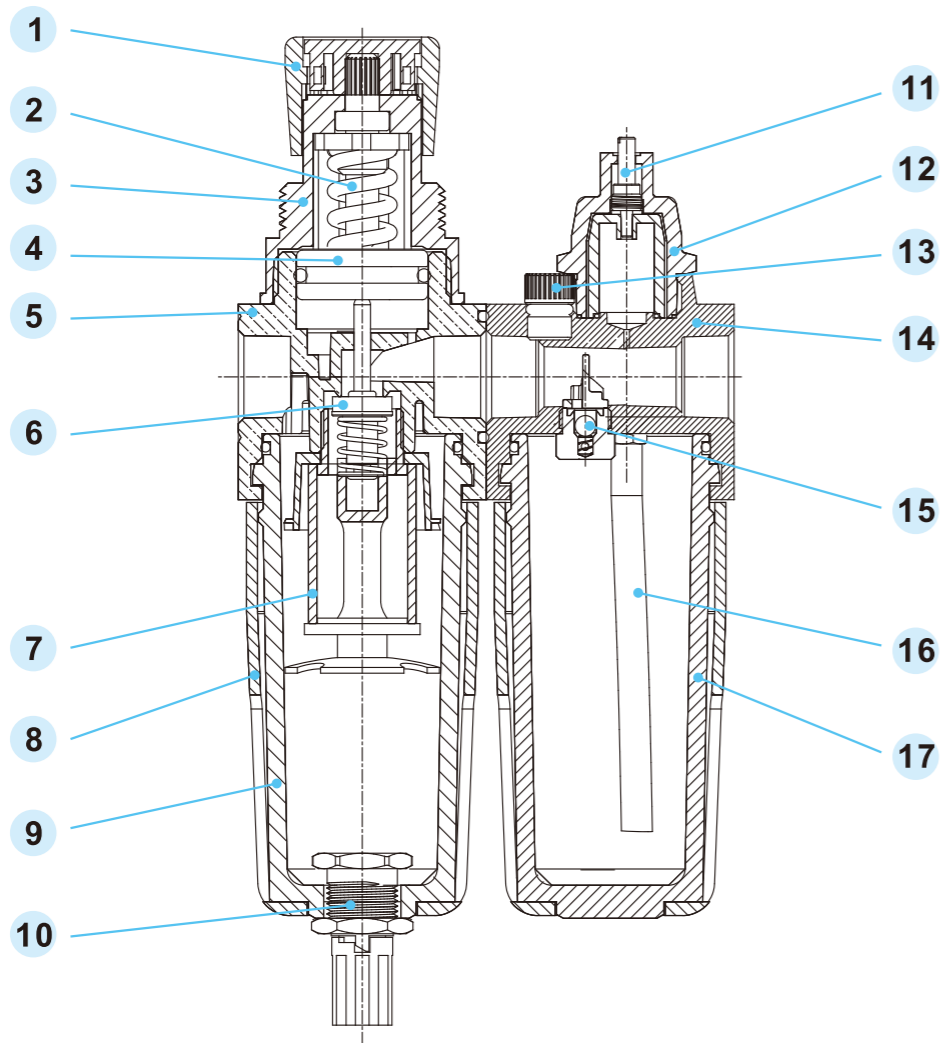
Note:

- X axis: Flow (l/min)
- Y axis: Pressure (kgf/cm²)
- Blue line (P0) = Outlet pressure
- Black line (P1) = Inlet pressure
- P1-P0=Pressure range

Miniature F.R.L Combination

Filter + Regulator + Lubricator & Filter Regulator + Lubricator

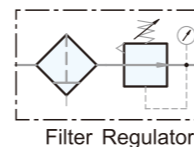
Construction(FRL600C)



No.	Description	Material	No.	Description	Material
1	Pressure regulating knob	NY	10	Semi-auto drain	POM
2	Spring	Spring steel+Ni	11	Oil adjusting screw	Cu+Ni
3	Regulator base	NY+GF	12	Oil viewer	GV4H
4	Piston	AL	13	Oil filling plug	AL
5	Regulator body	AL	14	Lubricator body	AL
6	Pressure regulating needle	Cu+NBR	15	Check valve	Cu
7	Filter element	PE	16	Oil pipe	PU
8	Bowl guard	NY+GY	17	Lubricator bowl	PC
9	Filter bowl	PC			

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

FR500C	02	N	C	B	H
Miniature Filter Regulator	Port size	Thread	Filtration	Gauge type	Drain
	01 : 1/8" (option) 02 : 1/4"	Blank : G N : NPT R : Rc	PE Blank : 5µm C : 40µm Sintered brass S : 5µm T : 40µm	Blank : Circle B : Square	Blank : Semi-auto drain H : Manual drain D : Auto drain

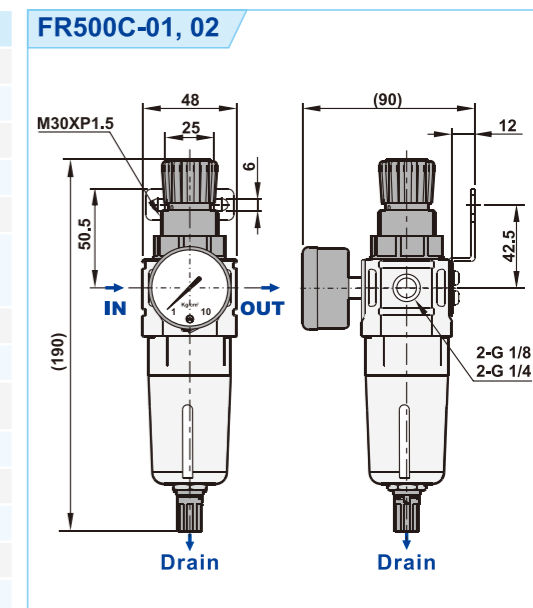
Please contact our sales for non-relieving type.

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

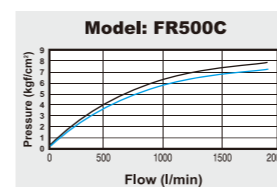
Specifications

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

Dimensions



Flow chart

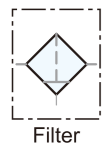


Note:

X axis: Flow (l/min)
Y axis: Pressure (kgf/cm²)
Blue line (P0) = Outlet pressure
Black line (P1) = Inlet pressure
P1-P0= Pressure range

Miniature Filter

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.



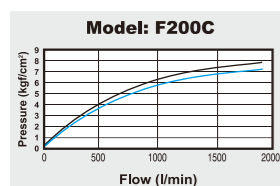
How to order

Miniature Filter	Port size	Thread	Filtration	Drain	Mounting bracket
F200C - 02	01 : 1/8"(option) 02 : 1/4"	N :G R :NPT C :Rc	PE Blank :5µm C :40µm Sintered brass S :5µm T :40µm	Blank :Semi-auto drain H :Manual drain D :Auto drain	Blank :W/O bracket B :W/I bracket

Specifications

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

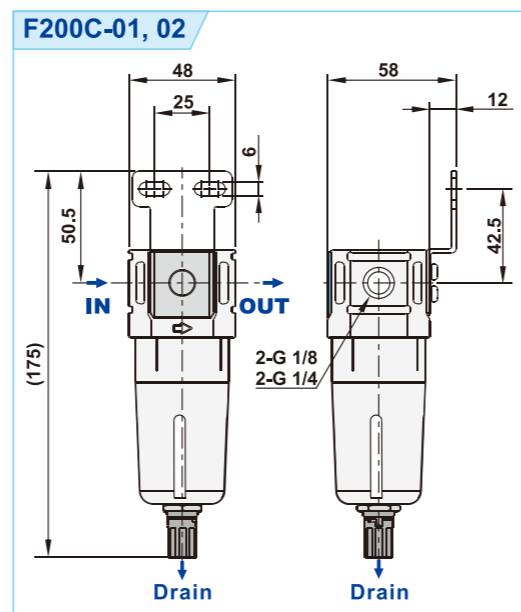
Flow chart



Note:

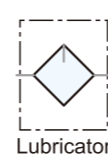
X axis: Flow (l/min)
Y axis: Pressure (kgf/cm²)
Blue line (P0) = Outlet pressure
Black line (P1) = Inlet pressure
P1-P0= Pressure range

Dimensions



Miniature Lubricator

Symbol



Features

1. Oil spray in mist ensures good lubrication for machines.

How to order

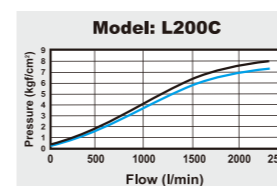
Miniature Lubricator	Port size	Thread	Mounting bracket
L200C - 02	01 : 1/8"(option) 02 : 1/4"	N :G R :NPT C :Rc	Blank :W/O bracket B :W/I bracket

*Lubricator oil (Recommended) : ISO-VG32

Specifications

Model	L200C-01	L200C-02
Port size	1/8" (option)	1/4"
Fluid	Compressed air	
Body material	Aluminum die-cast	
Bowl material	Polycarbonate (Standard)	
Operating pressure range	0.5 ~ 9.9 kgf/cm ²	
Proof pressure	12 kgf/cm ²	
Max. flow rate l/min (ANR)	2490	
Ambient temperature	-10°C ~ 60°C	
Lubricator bowl capacity	50cc	
Net weight	245g	
Option	Mounting bracket set	

Flow chart



Note:

X axis: Flow (l/min)
Y axis: Pressure (kgf/cm²)
Blue line (P0) = Outlet pressure
Black line (P1) = Inlet pressure
P1-P0= Pressure range

Dimensions

