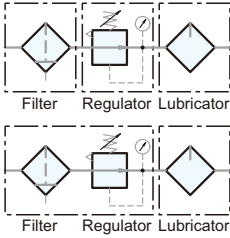


Miniature F.R.L Combination

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	Thread	Filtration	Gauge type	Drain
FRL600C : Miniature Filter Regulator+Lubricator		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.

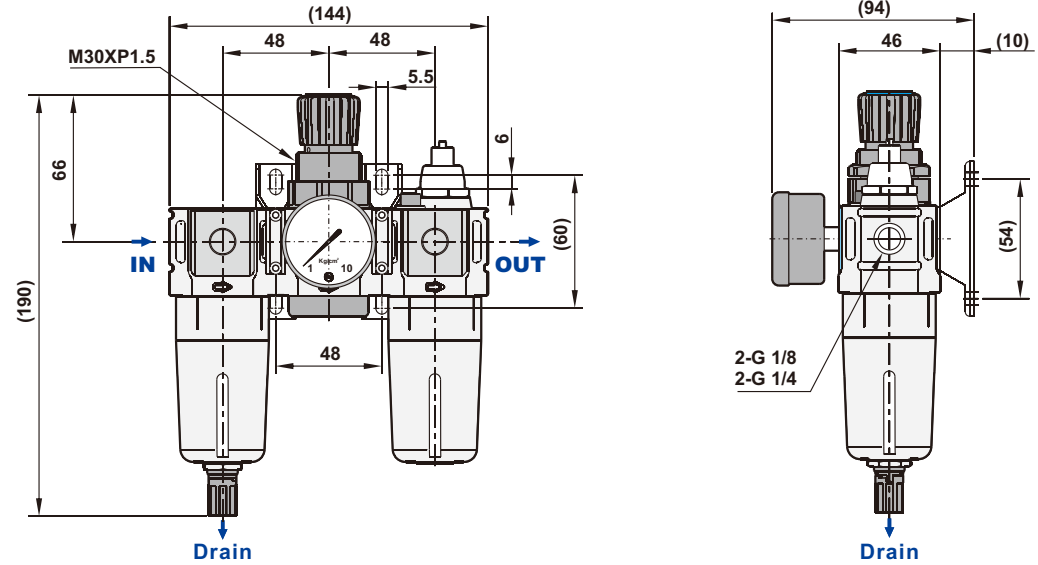
*For non-relieving type, the secondary pressure is not allowed to be exhausted when it is higher than setting pressure.

Specifications

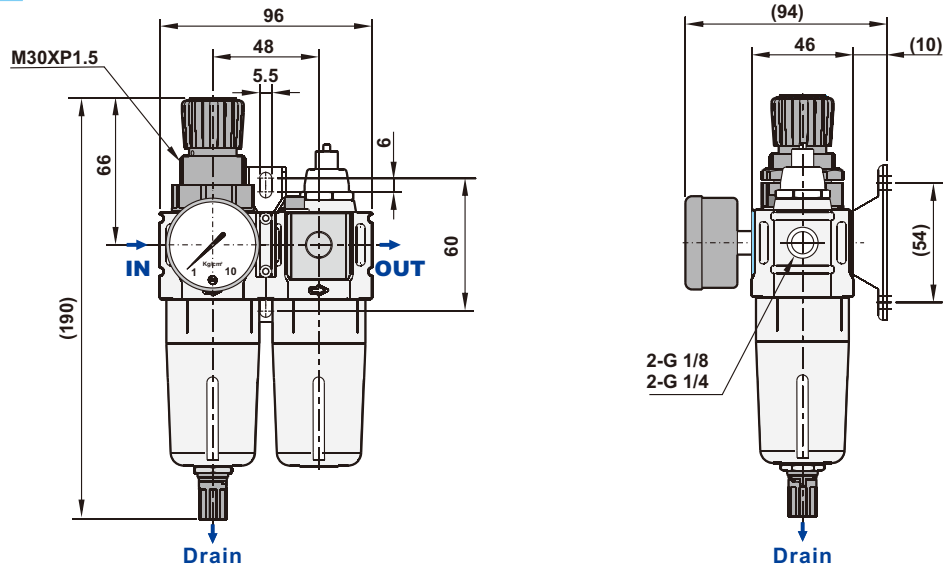
Model	FRL700C-01	FRL700C-02	FRL600C-01	FRL600C-02
Port size	1/8" [option]	1/4"	1/8" [option]	1/4"
Fluid	Compressed air			
Regulator construction	Piston			
Body material	Aluminum die-cast			
Bowl material	Polycarbonate (Standard)			
Filtration	PE: 5µm (Standard), 40µm (Option); Sintered brass(Option):5µm, 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℃ ~ 60℃			
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

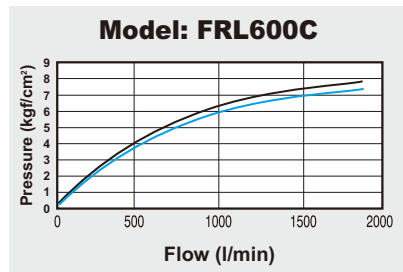
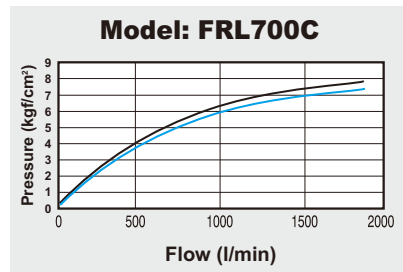
FRL700C-01, 02



FRL600C-01, 02



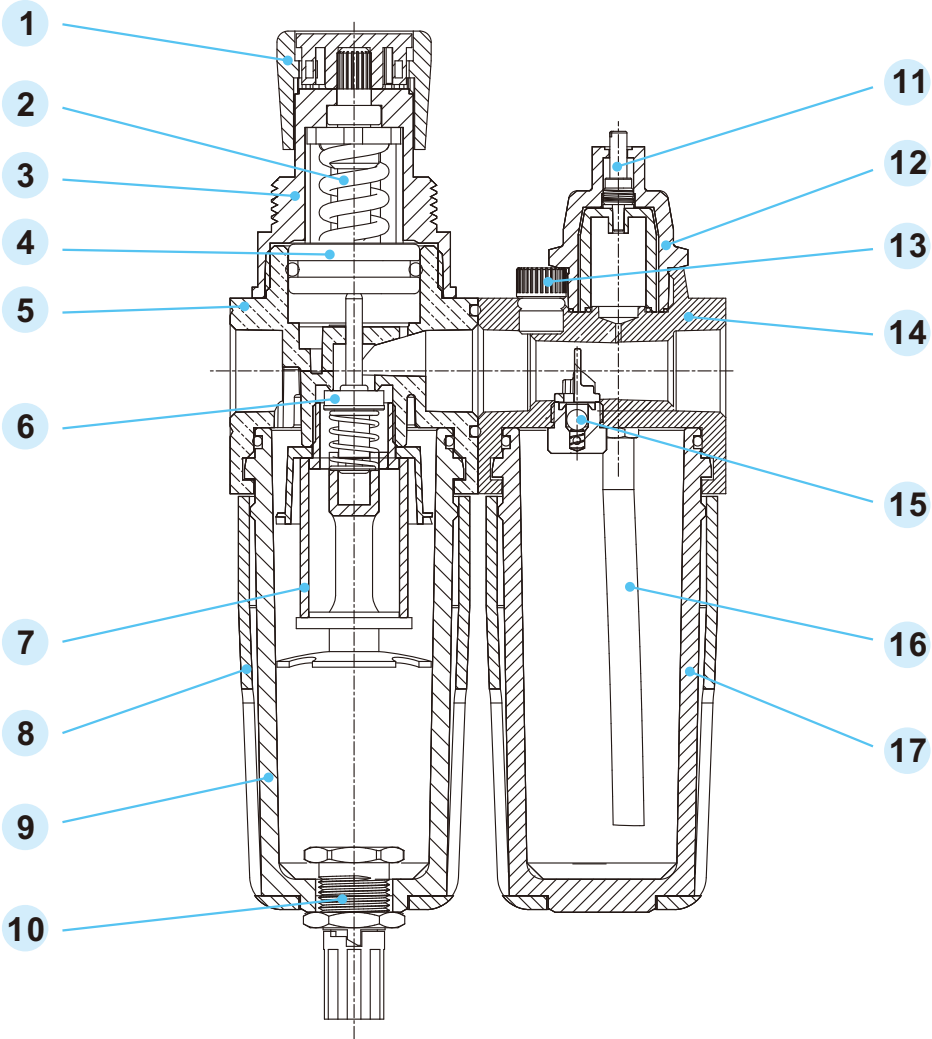
Flow chart



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

Construction(FRL600C)



Memo...

No.	Description	Material
1	Pressure regulating knob	NY
2	Spring	Spring steel+Ni
3	Regulator base	NY+GF
4	Piston	AL
5	Regulator body	AL
6	Pressure regulating needle	Cu+NBR
7	Filter element	PE
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	AL
14	Lubricator body	AL
15	Check valve	Cu
16	Oil pipe	PU
17	Lubricator bowl	PC

