

واحد مراقبت شاکو

MODEL : UFR/L 04



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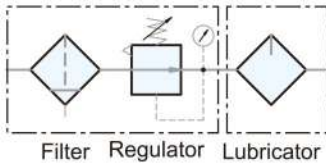
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Symbol



Features

1. Remove water and particle effectively.
2. 40µm and 5µm filter element are easily interchangeable and replaceable.
3. Accurate and easy pressure setting.
4. Lubricator oil can be replenished without stopping air supply.
5. Oil spray in mist ensures good lubrication for machines.
6. Anti-acid & Alkali bowl and aluminum bowl provide excellent protection in organic chemistry working environments.
(Please contact our sales for more inquiries.)



*Lubricator oil (Recommended): ISO-VG32

How to order

F.R.L combination	Port size	Thread	Filtration	Drain	Bowl	Spacer block
Filter Regulator +Lubricator	02 : 1/4" 03 : 3/8" 04 : 1/2" 06 : 3/4" 08 : 1"	Blank : G N : NPT R : Rc	PE Blank : 5µm C : 40µm Sintered brass S : 5µm T : 40µm	Blank : Semi-auto drain H : Manual drain D : Auto drain	Blank : Standard bowl A : Anti-acid & alkali bowl AL : Aluminum bowl	Blank : W/O spacer block SB : Spacer block

Please contact our sales for non-relieving type.

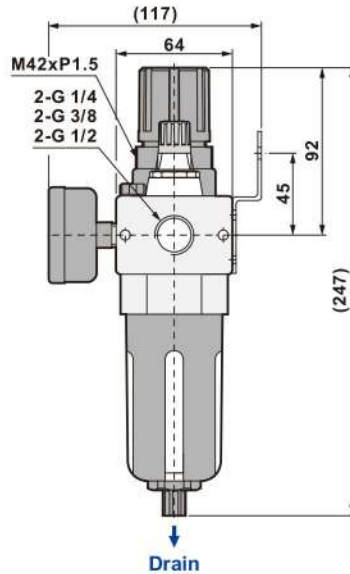
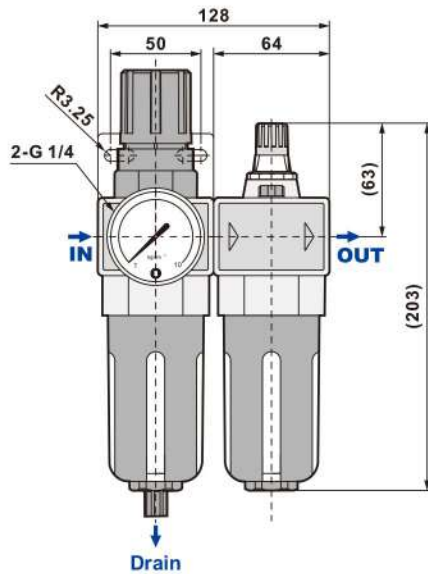
*For non-relieving type, the secondary pressure is not allowed to be exhausted when it is higher than setting pressure.

Specifications

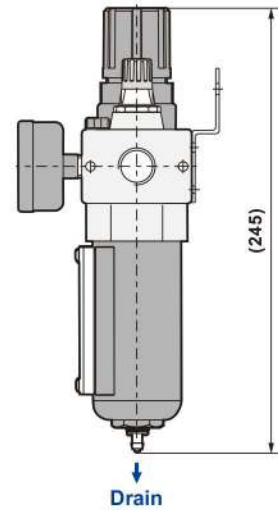
Model	UFR/L-02	UFR/L-03	UFR/L-04	UFR/L-06	UFR/L-08
Port size	1/4"	3/8"	1/2"	3/4"	1"
Fluid	Compressed air				
Regulator construction	Piston				
Body material	Aluminum die-cast				
Bowl material	Polycarbonate (Standard), Anti-acid & alkali bowl (Option), Aluminum bowl (Option)				
Filtration	PE: 5μm (Standard),40μm (Option); Sintered brass(Option):5μm,40μm				
Operating pressure range	0.5 ~ 9.9 kgf/cm ²				
Max. inlet pressure	15 kgf/cm ²				
Max. flow rate l/min (ANR) 40μm	2080	2100	2600	7940	8200
Ambient temperature	-10℃ ~ 60℃				
Filter bowl capacity	105cc			210cc	
Lubricator bowl capacity	125cc			235cc	
Standard drain	Semi-auto drain (Drains below 0.5kgf/cm ²)				
Net weight	1480g (Al bowl 2080g)			2145g (Al bowl 2845g)	
Accessories	Pressure gauge, Mounting bracket set, Plug				

■ Dimensions

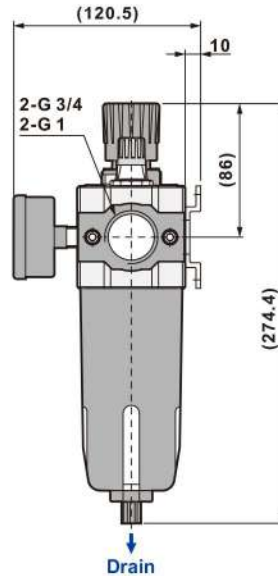
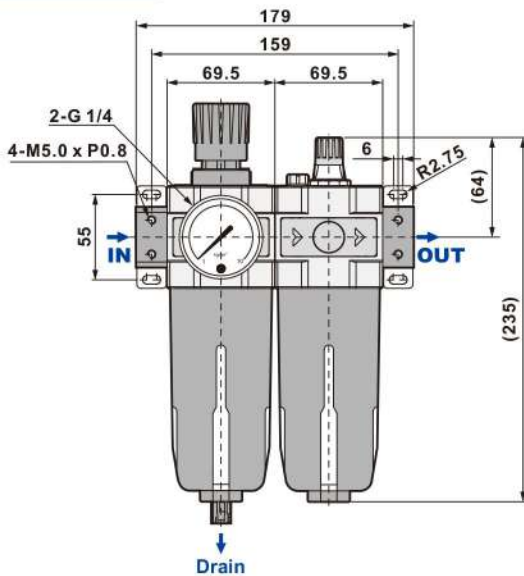
UFR/L-02, 03, 04



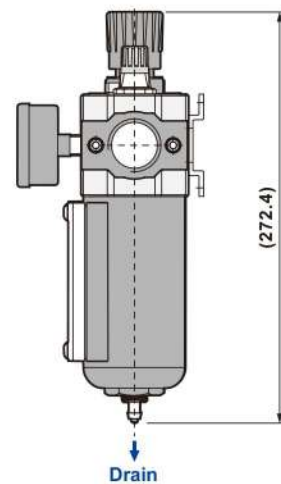
Aluminum bowl



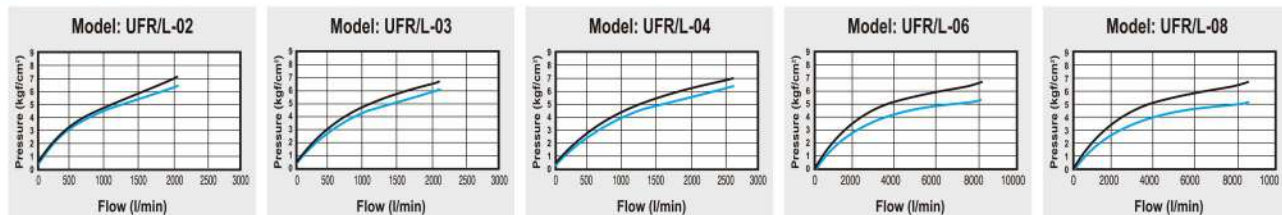
UFR/L-06, 08



Aluminum bowl



■ 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

P1-26

F.R.L Combinations

U series

UFR/L

UFR/L

UFR

UF

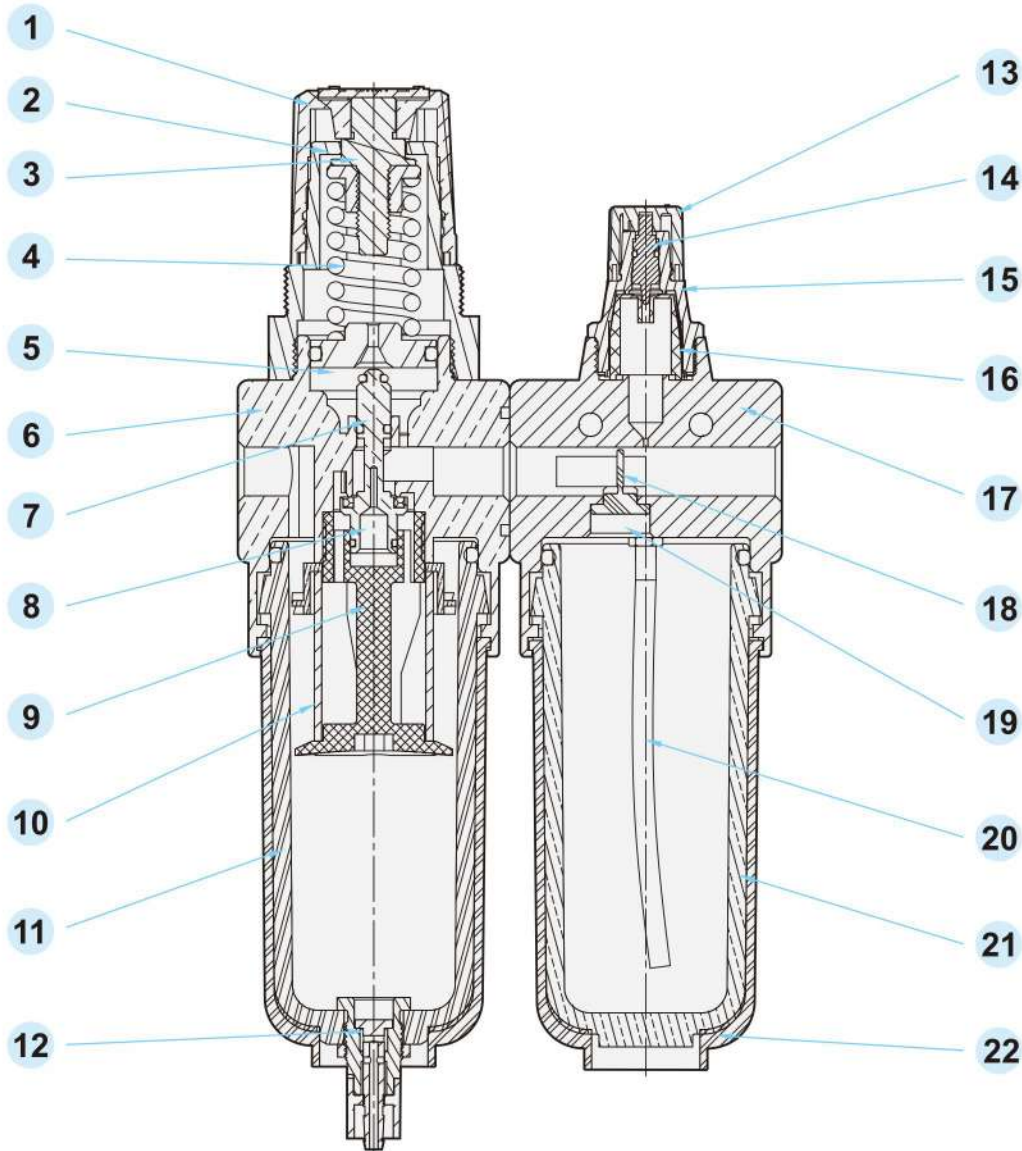
UR

UL

AD940

UV

■ Construction (UFR/L-02,03,04)



No.	Description	Material	No.	Description	Material
1	Pressure regulating knob	NY	12	Semi-auto drain	POM
2	Regulator base	NY+GF	13	Oil adjusting knob	POM
3	Pressure regulating screw	Fe+Ni	14	Oil adjusting screw	Cu+Ni
4	Pressure regulating spring	Spring steel+Ni	15	Oil viewer	GV4H
5	Piston	Cu+Ni	16	Oil dropping orifice	PC
6	Regulator body	ADC12	17	Lubricator body	ADC12
7	Regulating needle	Cu+NBR	18	Damper	PU
8	Spring	SUS304	19	Plug	Cu
9	Filter element holder	NY	20	Oil pipe	PU
10	Filter element	PE	21	Lubricator bowl	PC
11	Filter bowl	PC	22	Bowl guard	NY

P1-28

F.R.L Combinations

U series

UFR/L

UFR/L

UFR

UF

UR

UL

AD940

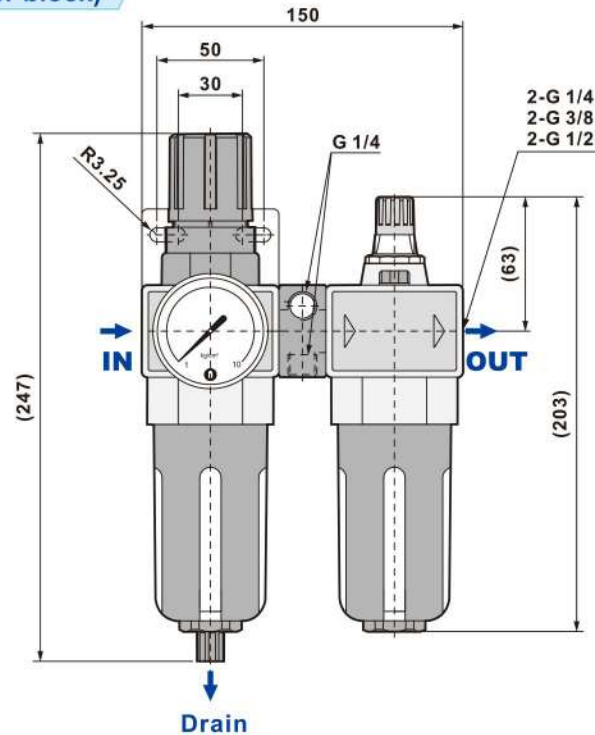
UV

F.R.L Combination

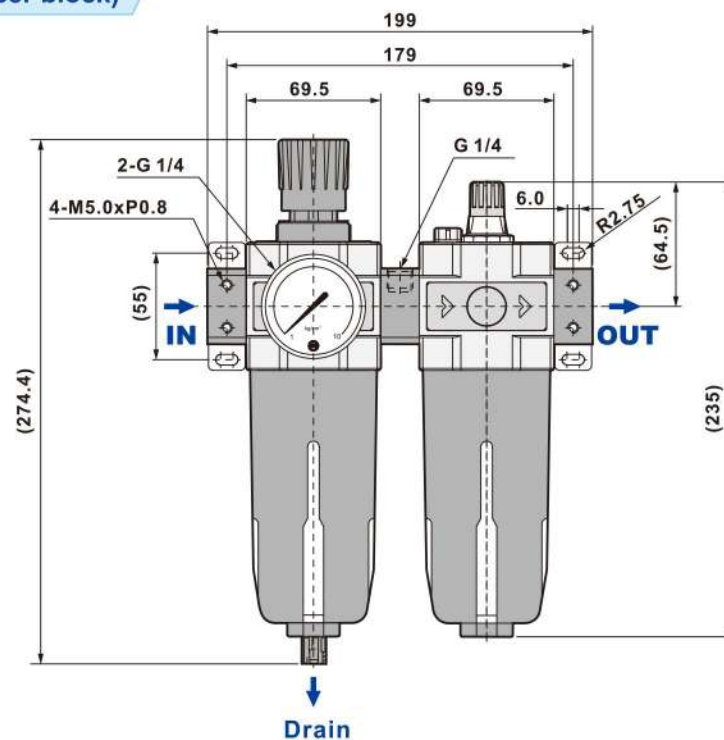
Filter Regulator + Lubricator (2 units style)

■ Dimensions

UFR/L-02, 03, 04SB(Spacer block)

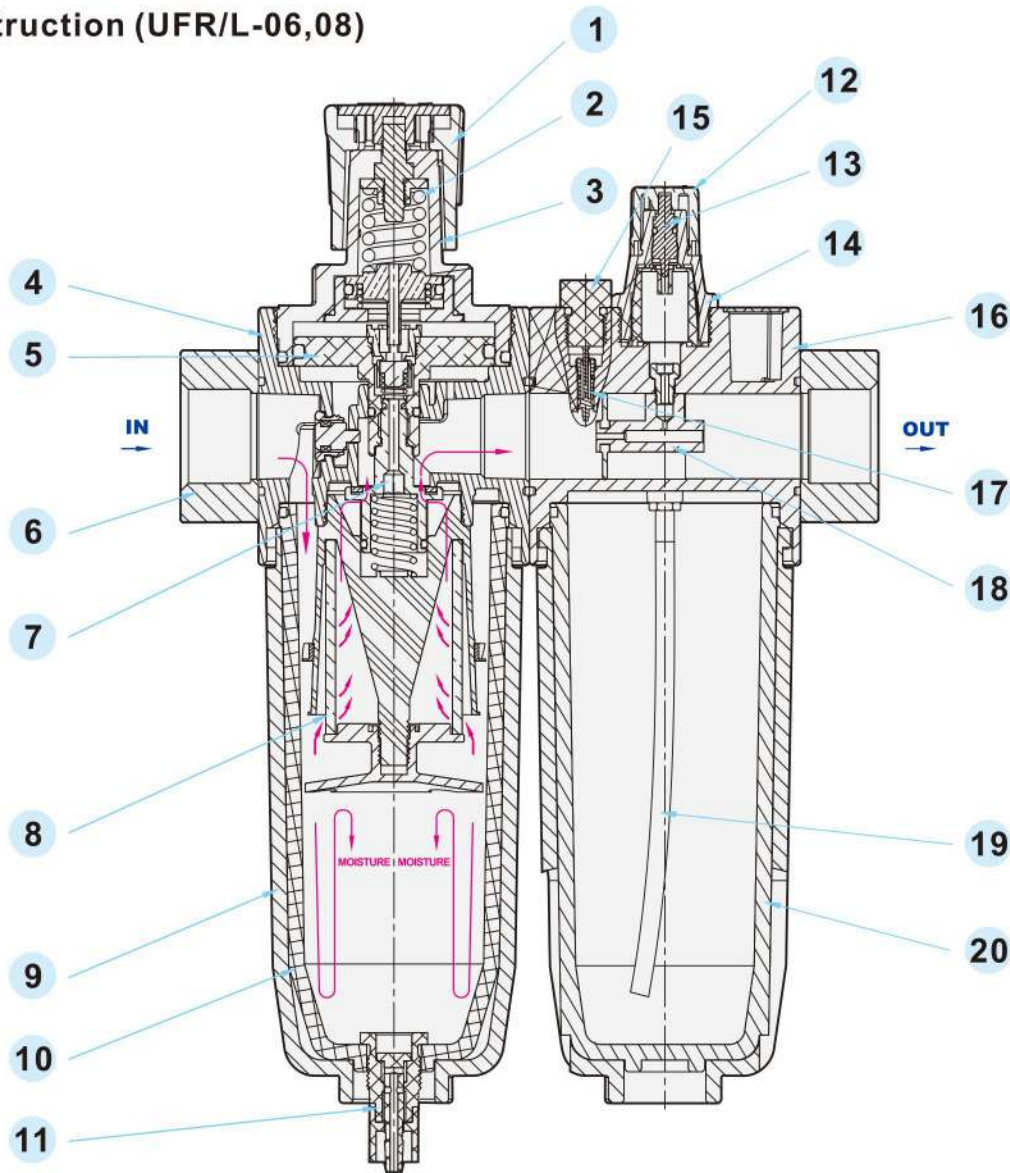


UFR/L-06, 08SB(Spacer block)



P1-27

Construction (UFR/L-06,08)



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

No.	Description	Material
11	Semi-auto drain	POM
12	Oil adjusting knob	POM
13	Oil adjusting screw	Cu+Ni
14	Oil viewer	GV4H
15	Oil filling plug	Cu+Ni
16	Lubricator body	ADC12
17	Check valve	Cu
18	Oil nozzle	Cu
19	Oil pipe	PU
20	Lubricator bowl	PC



علی صنعت

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