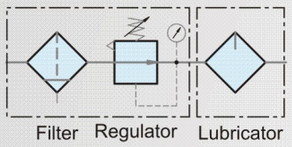
Symbol



Features

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

How to order

UFR/L – 02 | N | C | D | A | SB

F.R.L combination	Port size		Thread		Filtration		Drain		Bowl		Spacer block
Filter Regulator +Lubricator	02	1/4"	Blank	PS	Blank	5μm	Blank	Semi-auto drain	Blank	Standard bowl	
	03	3/8"	N	NPT	C	40μm	H	Manual drain	A	Anti-acid & alkali bowl	
	04	1/2"					D	Auto drain	AL	Aluminum bowl (1/4"~1/2")	
	06	3/4"									
	08	1"									

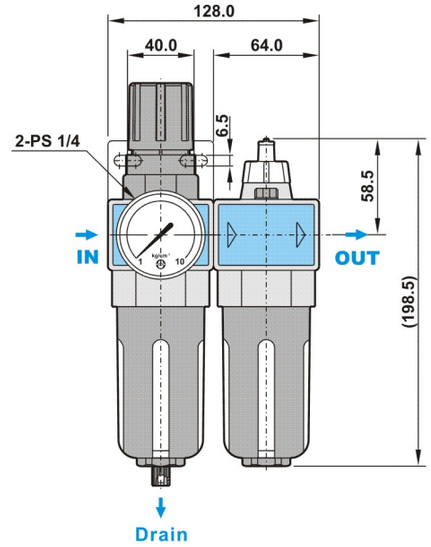
※Note: Please see page 1-51 for ordering spacer block separately.

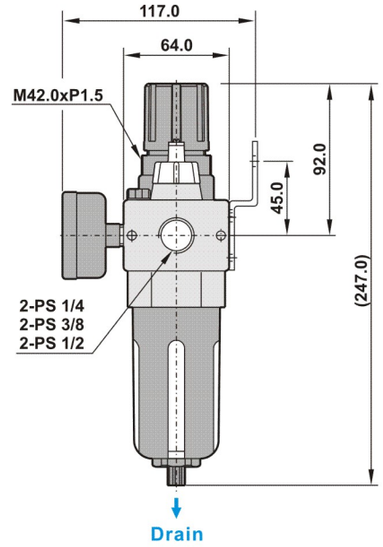
Specifications

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	5μm (Standard)、40μm (Option)				
Operating pressure range	0.5 ~ 10 kgf/cm²				
Max. operating pressure (Standard bowl)	15 kgf/cm²				
Max. flow rate l/min (6kgf/cm²)	2080	2100	2600	7940	8200
Ambient temperature	-10℃ ~ 60℃				
Lubricator oil (Recommended)	ISO-VG32				
Filter bowl capacity	105cc			210cc	
Lubricator bowl capacity	125cc			235cc	
Standard drain	Semi-auto drain (Drains below 0.5kgf/cm²)				
Net weight	1480g (AL Aluminum bowl 1780g)			2145g	
Accessories	Pressure gauge, Mounting bracket, Plug, Screw x 4				

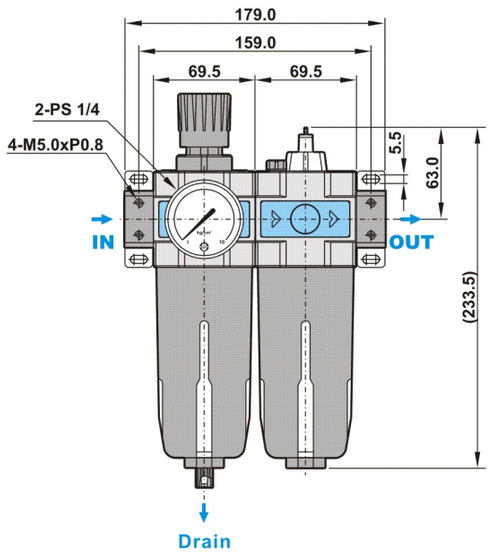
Dimensions

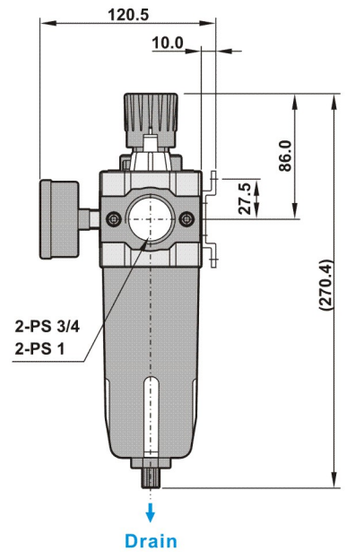
UFR/L-02, 03, 04





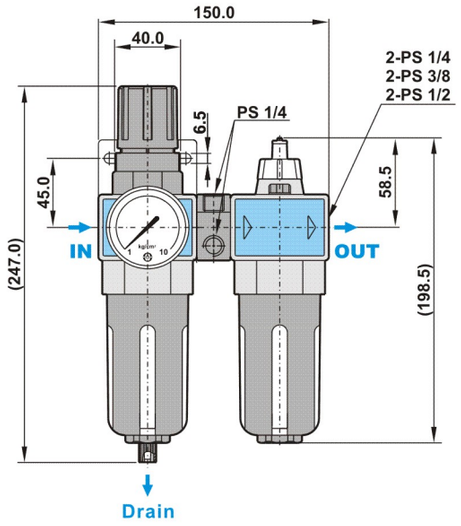
UFR/L-06, 08



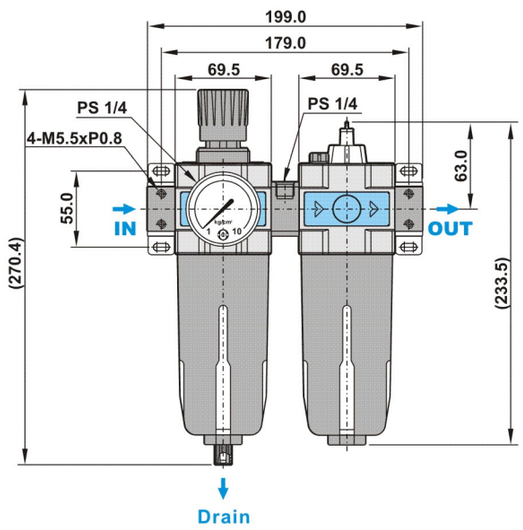


Dimensions

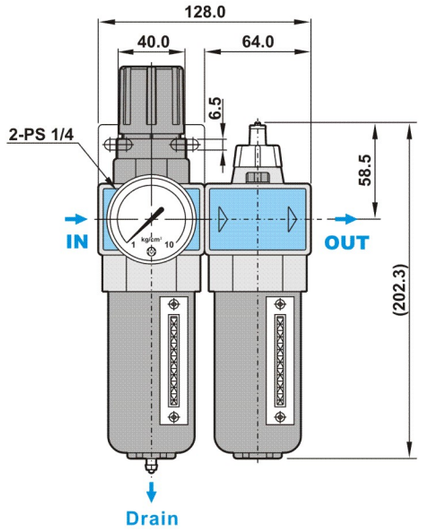
UFR/L-02, 03, 04SB (Spacer block)

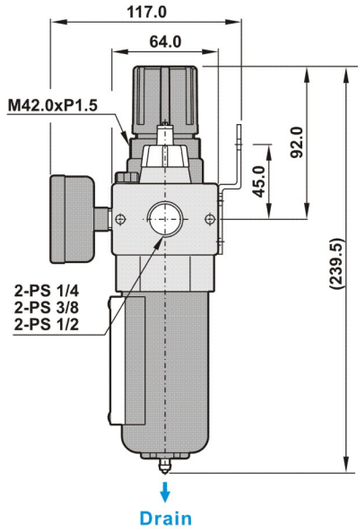


UFR/L-06, 08SB (Spacer block)

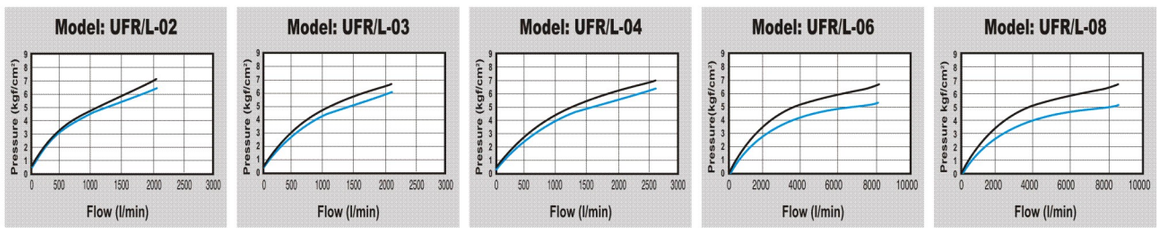


UFR/L-02AL, 03AL, 04AL (Aluminum bowl)





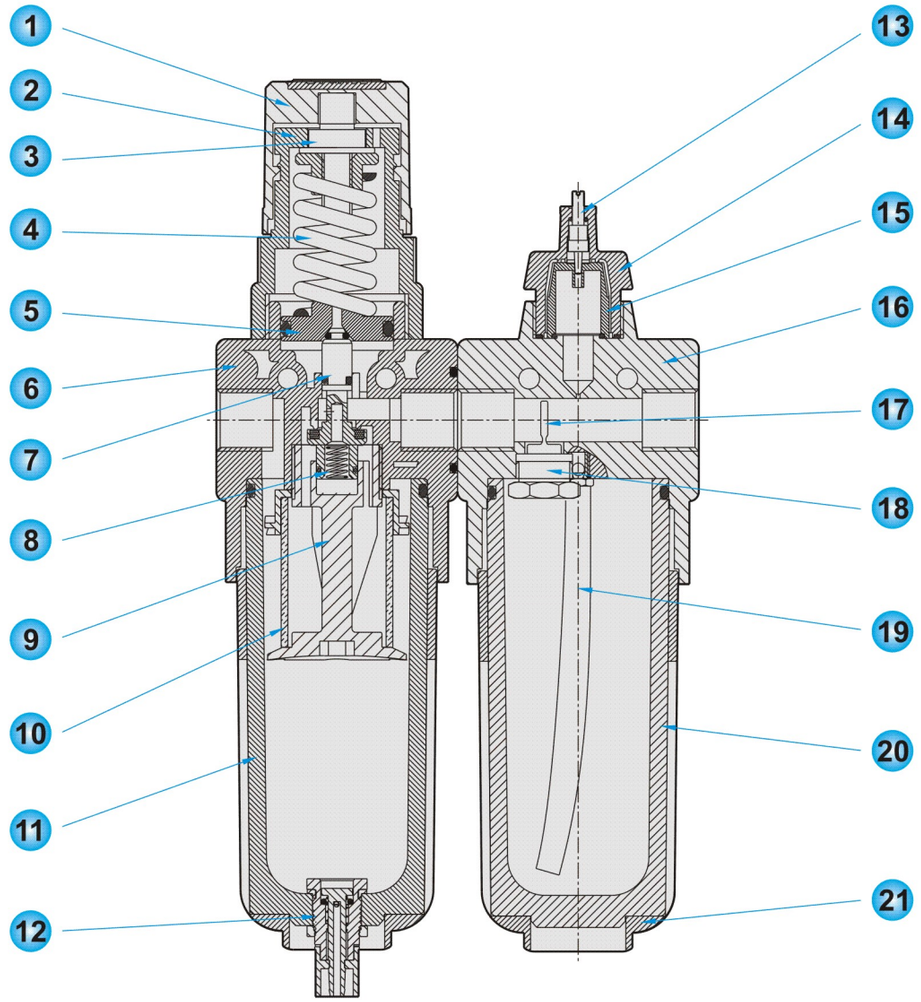
Flow chart



Note: X axis: Flow, Y axis: Pressure, Blue line (P0) = Outlet pressure, Black line (P1) = Inlet pressure, P1-P0=Pressure range

Construction

UFR/L-02, 03, 04

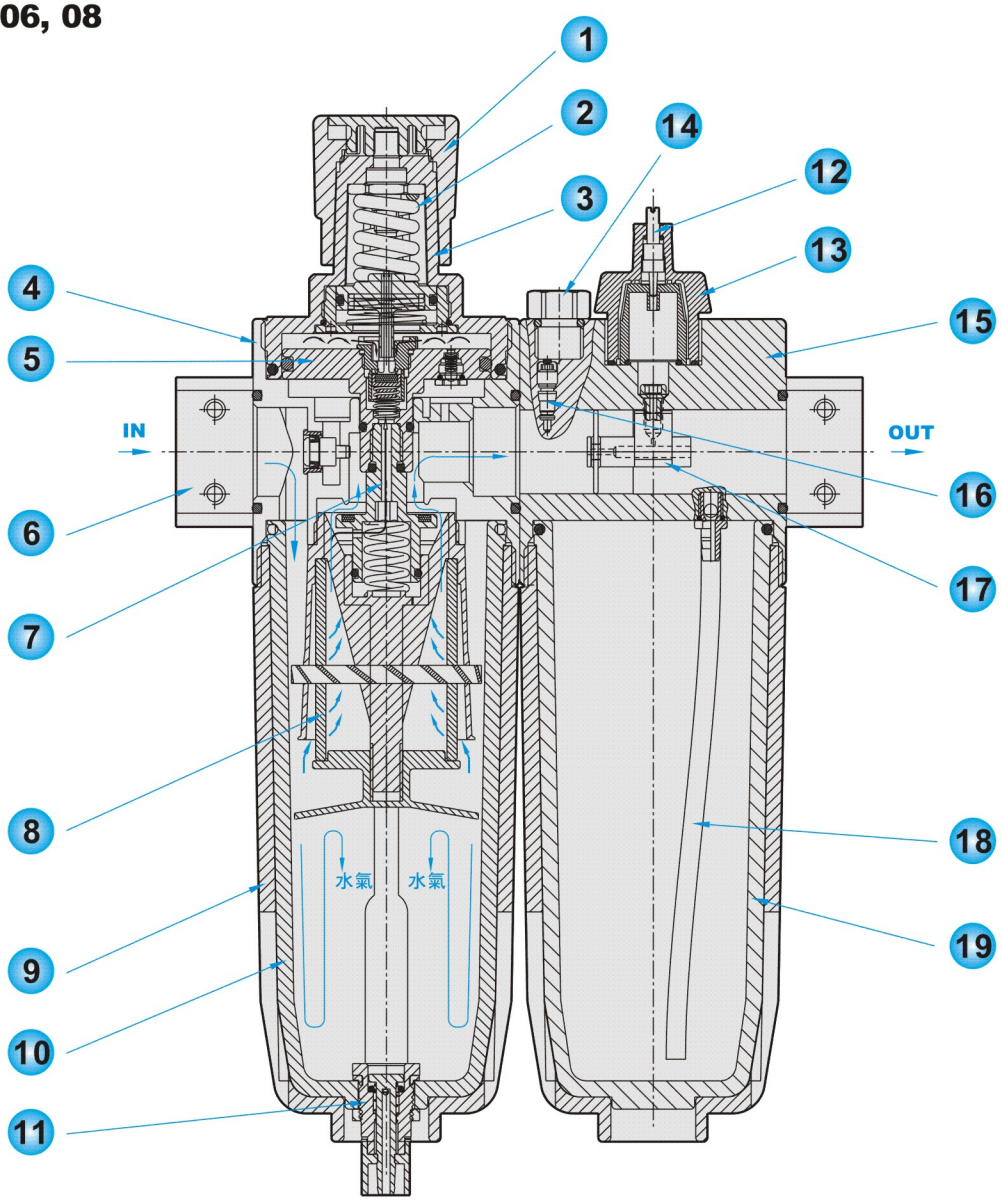


No.	Description	Material
1	Pressure regulating knob	NY
2	Regulator base	NY+GF
3	Pressure regulating screw	Fe+Ni
4	Pressure regulating spring	Spring steel+Ni
5	Piston	Cu+Ni
6	Regulator body	ADC12
7	Regulating needle	Cu+NBR
8	Spring	SUS304
9	Filter element holder	NY
10	Filter element	Cu
11	Filter bowl	PC

No.	Description	Material
12	Semi-auto drain	POM
13	Oil adjusting screw	Cu+Ni
14	Oil viewer	GV4H
15	Oil dropping orifice	PC
16	Lubricator body	ADC12
17	Damper	PU
18	Plug	Cu
19	Oil pipe	PU
20	Lubricator bowl	PC
21	Bowl guard	NY

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	Cu
9	Bowl guard	NY+GF
10	Filter bowl	PC

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