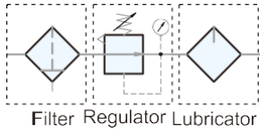
UC Series F.R.L Combination

Filter + Regulator + Lubricator (3 units style)

Symbol



*Lubricator oil (Recommended) : ISO-VG32

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.)

How to order

UCFRL −	02	N	C	G	H	A	SB
F.R.L combination	Port size	Thread	Filtration	Gauge type	Drain	Bowl	Spacer block
Filter+Regulator +Lubricator	**02**:1/4" **03**:3/8" **04**:1/2"	**Blank**:G **N** :NPT **R** :Rc	PE **Blank**:5μm **C** :40μm Sintered brass **S**:5μm **T**:40μm	**Blank**:Square **G** :Circle	**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 (Port size 1/8")

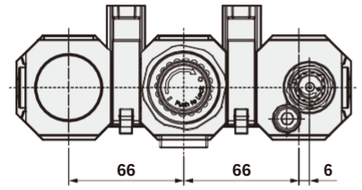
Please contact our sales for non-relieving type.
*For non-relieving type, the secondary pressure is not allowed to be exhausted when it is higher than setting pressure.

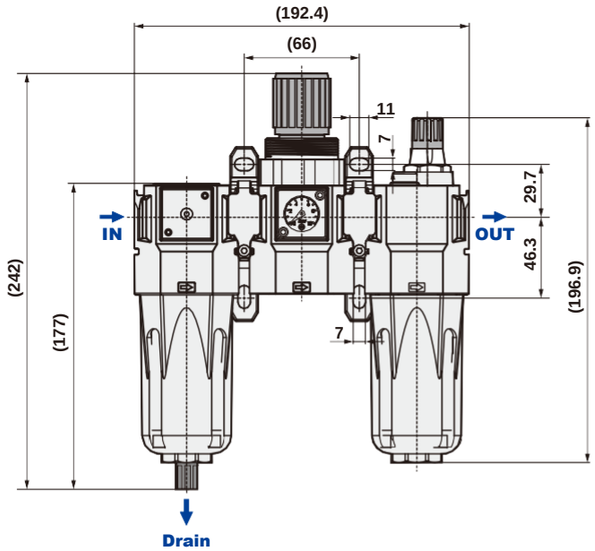
Specifications

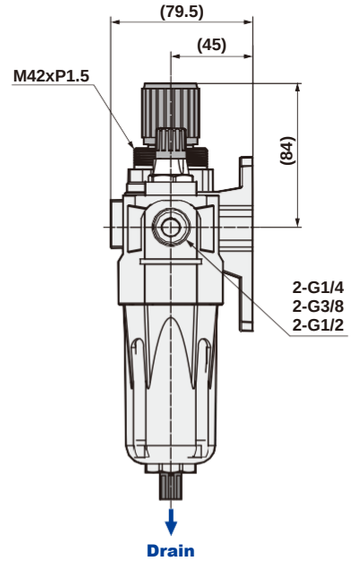
Model	UCFRL-02	UCFRL-03	UCFRL-04
Port size	1/4"	3/8"	1/2"
Fluid	Compressed air		
Regulator construction	Piston		
Body material	Aluminum die-cast		
Bowl material	Polycarbonate (Standard), Anti-acid & alkali bowl (Option), Aluminum bowl (Option)		
Filtration	PE: 5μm (Standard), 40μm (Option); Sintered 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)	2080	2100	2600
Ambient temperature	-10℃ ~ 60℃		
Filter bowl capacity	105cc		
Lubricator bowl capacity	125cc		
Standard drain	Semi-auto drain (Drains below 0.5kgf/cm^2)		
Net weight	2000g (W/I Aluminum bowl 2300g)		
Option	Spacer block		

Dimensions

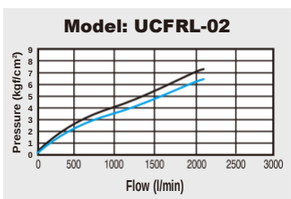
UCFRL-02, 03, 04

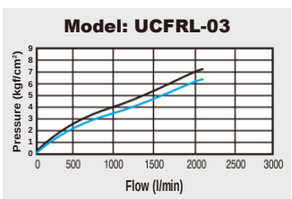


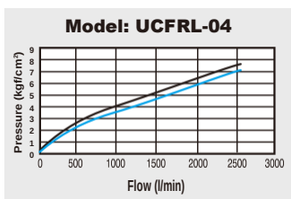




Flow chart







Note:

X axis: Flow (l/min)
Y axis: Pressure (kgf/cm^2)
Blue line (P0) = Outlet pressure
Black line (P1) = Inlet pressure
P1-P0=Pressure range