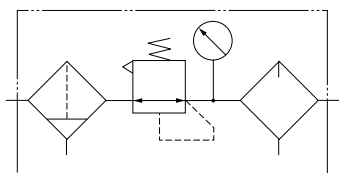


# F.R.L. COMBINATIONS

## C150, C200, C300, C400, C600

- An easy-mounting and easy-maintenance modular type.
- Many combinations of body sizes and port sizes.
- Full range of accessories and options with priority on performance.

### Symbol

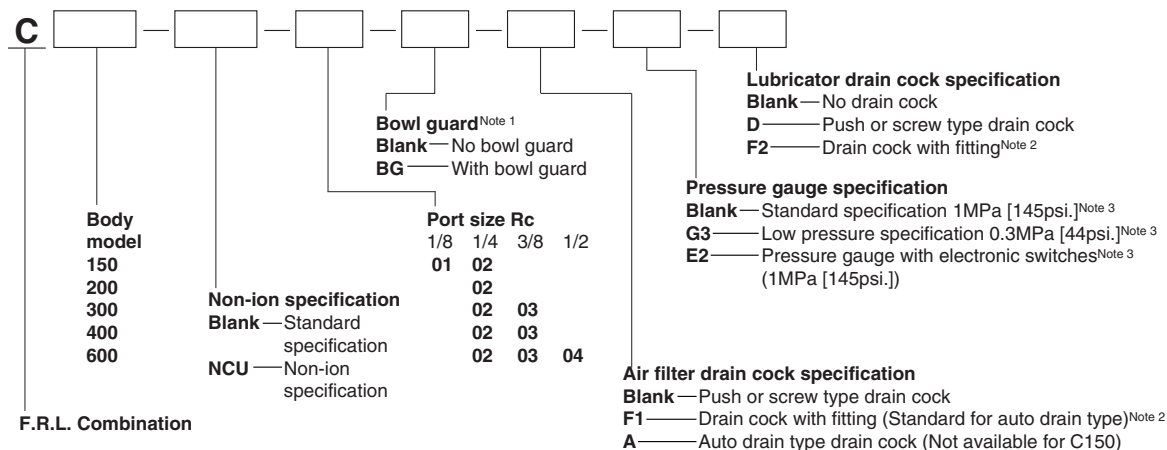


### Specifications

Item	Model	C150	C200	C300	C400	C600
Media		Air				
Port size	Rc	1/8, 1/4	1/4	1/4, 3/8	1/4, 3/8	1/4, 3/8, 1/2
Filtration rating	$\mu\text{m}$	5				
Pressure setting range	MPa [psi.]	0.05~0.83 [7~120]				
Maximum operating pressure	MPa [psi.]	0.93 [135]				
Proof pressure	MPa [psi.]	1.47 [213]				
Operating temperature range (atmosphere and media)	$^{\circ}\text{C}$ [ $^{\circ}\text{F}$ ]	5~60 [41~140]				
Air filter drain capacity	cc [in <sup>3</sup> ]	15 [0.92]	55 [3.36]		90 [5.49]	
Oil capacity for lubricator	cc [in <sup>3</sup> ]	25 [1.53]	85 [5.19]		160 [9.76]	
Recommended lubrication		Turbine oil Class 1 [ISO VG32] or equivalents.				
Mass (with pressure gauge)	kg [lb]	Standard	1.16 [2.56]	1.20 [2.65]	1.43 [3.15]	1.51 [3.33]
		Auto drain type	1.19 [2.62]	1.23 [2.71]	1.46 [3.22]	1.54 [3.40]
Materials	Body	Aluminum die-casting	Aluminum die-casting Zinc die-casting	Zinc die-casting	Aluminum die-casting Zinc die-casting	Aluminum die-casting
	Bowl	Polycarbonate				
Models of components	Air filter	F150	F300	F300	F600	F600
	Regulator	R150	R150	R300	R300	R600
	Lubricator	L150	L300	L300	L600	L600
Standard attachments	Bracket	D module				
	Air filter	Push type drain cock	Screw type drain cock, bowl guard			
	Regulator	Pressure gauge G1-40 ( $\phi$ 40 $\times$ 1MPa [145psi.])				
	Lubricator	—	Bowl guard			

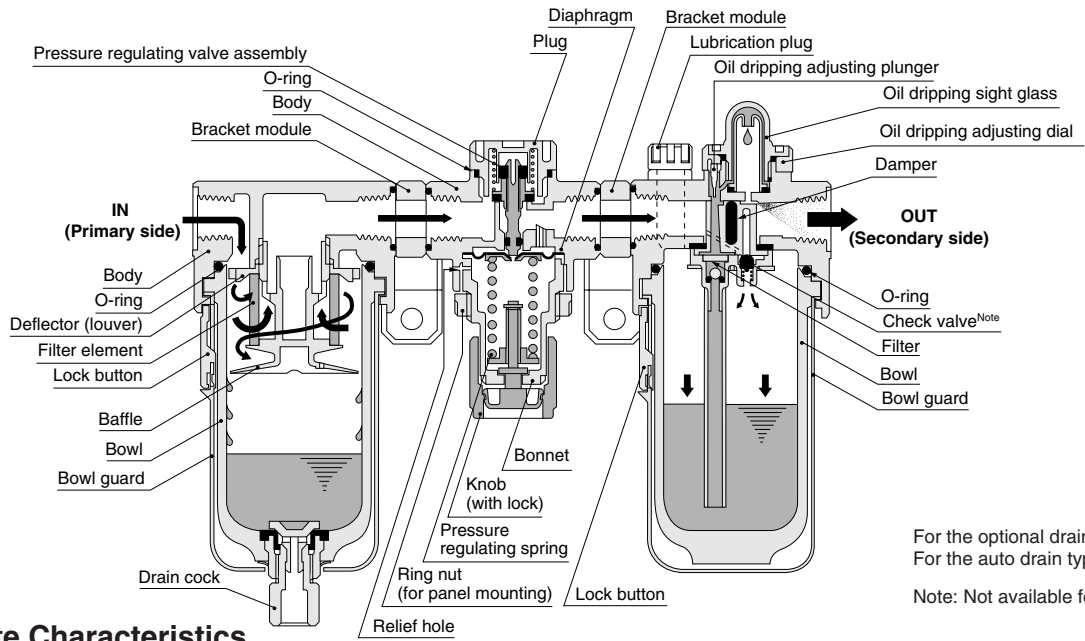
Note: Figure in parentheses ( ) shows mass with bowl guard.

### Order Codes



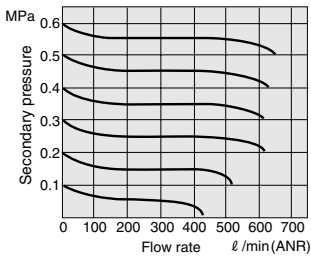
Notes: 1. For C150 only. Standard for all models other than C150.  
2. Available only for C150 with -BG (bowl guard).  
3. For the specifications and dimensions for the pressure gauge, and pressure gauge with electronic switches, see p.172 and 177~181.

# Inner Construction

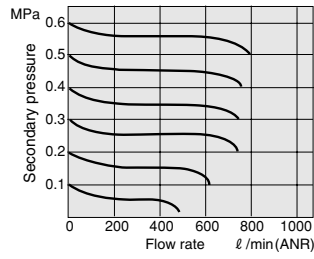


## Flow Rate Characteristics

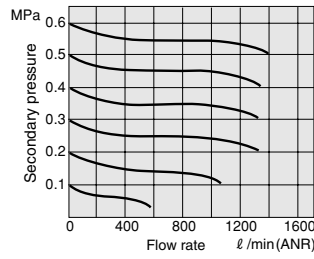
**C150**



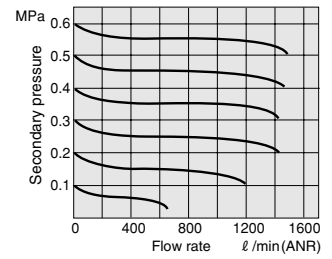
**C200**



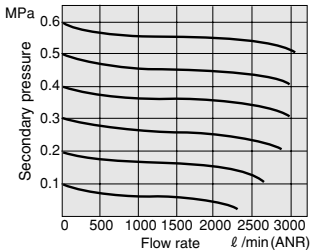
**C300**



**C400**



**C600**

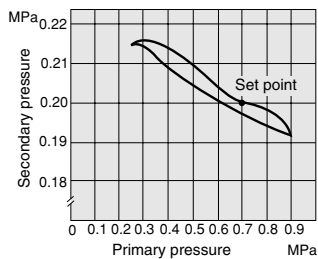


Remark: Graphs show flow rate characteristics when the primary pressure is fixed at 0.7MPa [102psi].

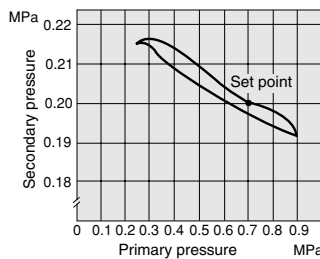
1MPa=145psi. 1 ℓ/min=0.0353ft<sup>3</sup>/min.

## Pressure Characteristics

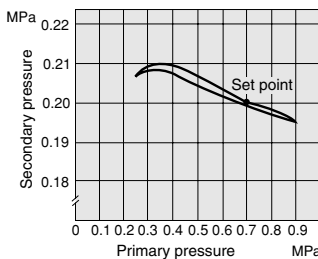
**C150**



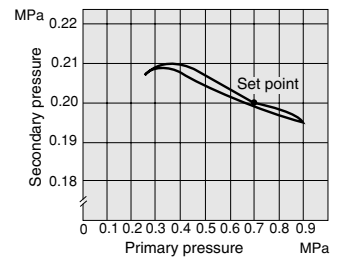
**C200**



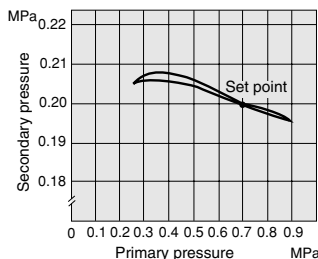
**C300**



**C400**



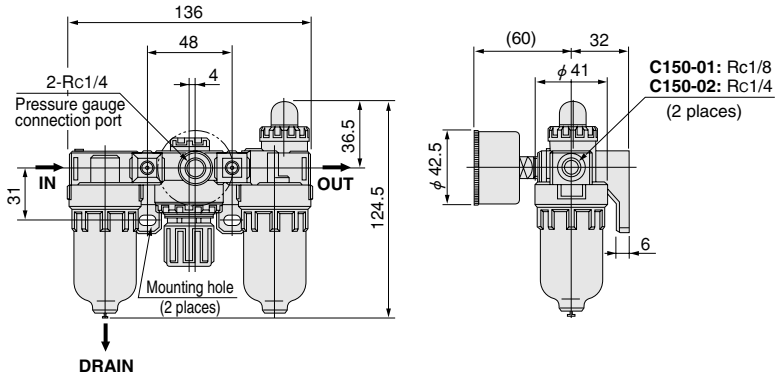
**C600**



1MPa=145psi. 1 ℓ/min=0.0353ft<sup>3</sup>/min.

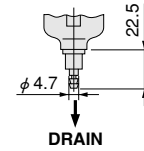
# Dimensions of F.R.L. Combinations (mm)

## C150

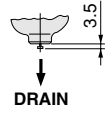


### Drain cock option

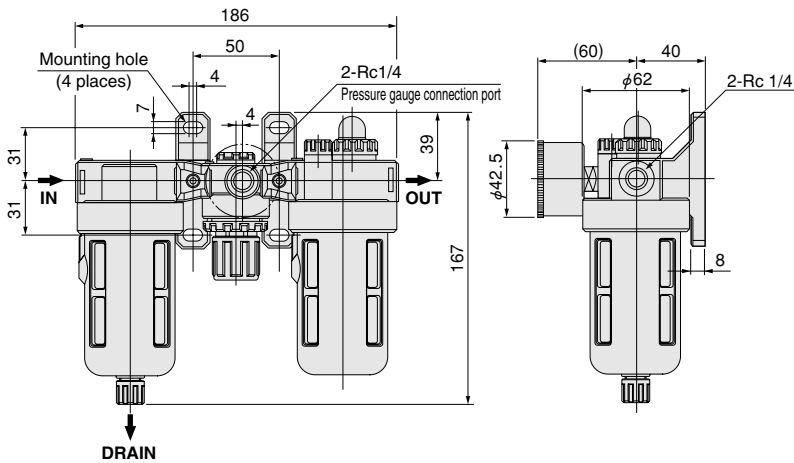
- Push type with fitting  
(Air filter: -BG-F1)  
(Lubricator: -BG-F2)



- Push type  
(Air filter: Standard)  
(Lubricator: -D)

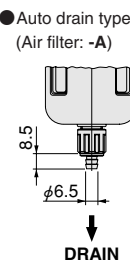


## C200

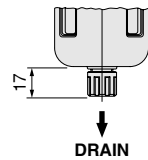


### Drain cock option

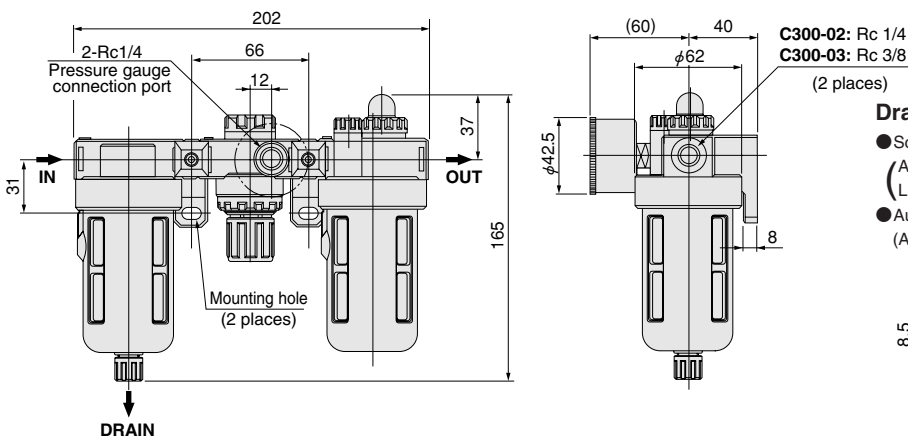
- Screw type with fitting  
(Air filter: -F1)  
(Lubricator: -F2)



- Screw type  
(Air filter: Standard)  
(Lubricator: -D)

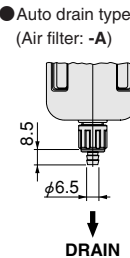


## C300



### Drain cock option

- Screw type with fitting  
(Air filter: -F1)  
(Lubricator: -F2)



- Screw type  
(Air filter: Standard)  
(Lubricator: -D)

