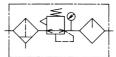
FRL Series/C628, C668

Standard type Air Filter + Air Pressure Regulator + Air Lubricator

- Standard combination of 3 features: filtering, pressure regulating, and
- Wide range of Port size from Rc1/4~1 to fit all customers' needs.
- Diverse ways to discharge water: automatic, drainmaster, spring drain, manual water drain.

JIS Symbol







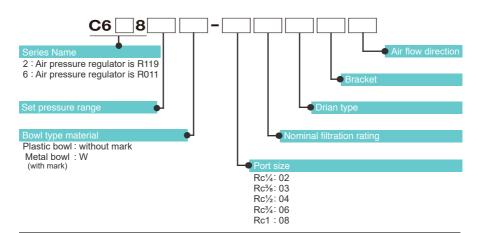


C668W-03

Specificiations

Model No.		Unit	C628-02, 03	C628-04	C628-06, 08	C668-04			
Port size			Rc¼, 3/8	Rc½	Rc¾, 1	Rc½			
operating	Platic bowl	MPa[kgf/cm ²]	1 (10)		_	1(10)			
	Metal bowl (with mark)	MPa[kgf/cm ²]	1.2((12)	1.2(12)	1.2(12)			
Draof procesure	Platic bowl	MPa[kgf/cm ²]	1.5((15)	_	1.5(15)			
	Metal bowl (with mark)	MPa[kgf/cm²]	1.8(18)	1.8(18)	1.8(18)			
temperature	Platic bowl	℃	5~	50	_	5~50			
	Metal bowl (with mark)	°C	5~	65	5~65	5~65			
Nominal filtration rating		μm	5(standard)						
Capacity of filter bowl		СС	60 90		180	90			
Set pressure range		MPa[kgf/cm ²]	0.02~0.75(0.2~7.5)(standard)						
Minimum dropping flow rate		I/min(ANR)	About 30						
Capacity of Air lubricator bowl		СС	130	200	540	200			
Recommended lubricant			(ISO VG32)						
Components	Air filter		F602-02, 03	F602-04	F602-06, 08	F602-04			
	Air pressure regulator		R119-02, 03	R119-04	R119-06, 08	R011-04			
	Air lubricator		L606-02, 03	L606-04	L606-06, 08	L606-04			
Weight		kg	1.78 1.96		5	7.6			







When the mark on the bowl is omitted, with Port size of 02~04 the suggested bowl material is plastic bowl, and with Port size of 06~08 the suggested bowl material is metal bowl (with mark).
 Please refer to symbol specification table and option table.

Option

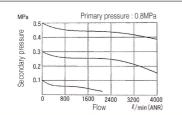
Model No.		Mark	C628-02, 03, 04	C628W-02, 03, 04	C628W- 06, 08	C668-04	C668W-04		
Bowl type material			Platic bowl	Platic bowl Metal bowl (with mark)		Platic bowl	Metal bowl (with mark)		
Set pressure range	Standard pressure (0.02~0.75MPa)	Without mark	©		©				
	Low pressure (0.01~0.4MPa)	L	0		_				
Pressure relief mechanism	Pressure relief type	Without mark	©			0			
Nominal fitrtion rating	5 μm	Without mark	©						
	20 μm	N	0						
	40 μm	J	0						
Drain type	Manual	Without mark	0	0		0	0		
	Spring drain	Υ	0	0		0	0		
	Automatic drain	М	0	0		0	0		
	Drainmaster	S	0			0	_		
Pressure gauge			Pressure gauge is a standard accessory						
Bracket	Standard	В	0 0						
Air flow direction	Left to Right	Without mark	©						
	Right to Left	R	0						

 \bigcirc Standard \bigcirc Option

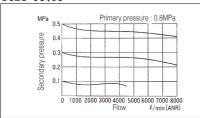


Flow characteristics

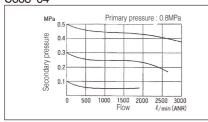
C628-04



C628-06,08

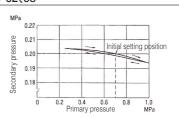


C668-04

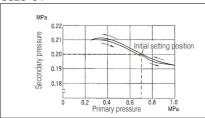


Pressure characteristics

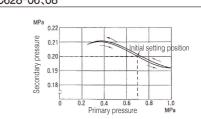
C628-02,03



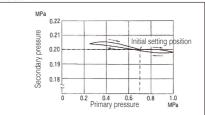
C628-04



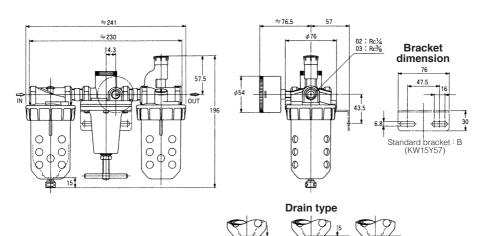
C628-06,08



C668-04



C628-02, 03



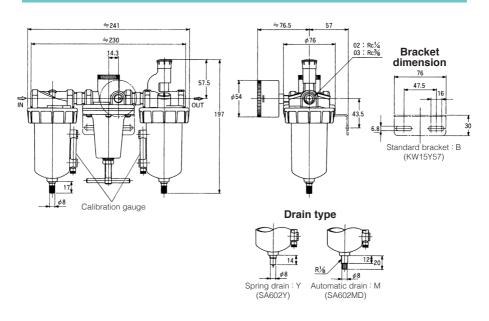
C628W-02, 03 (Unit: mm)

Spring drain : Y

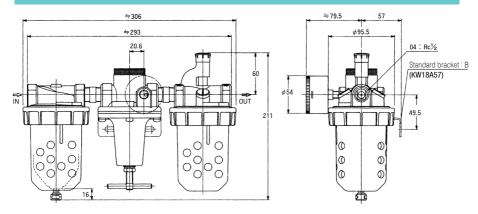
(SA602Y)

Automatic drain : M Drainmaster : S (SA602MD) (SA602SY)

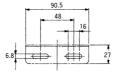
(SA602MD)



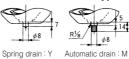
C628-04 (Unit: mm)











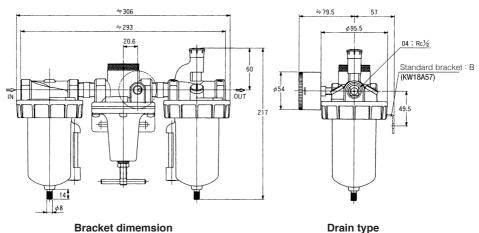
(SA602MD)

(SA602Y)

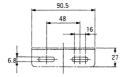


drainmaster: S (SA602SA)

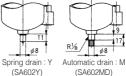
C628W-04 (Unit: mm)



Bracket dimemsion



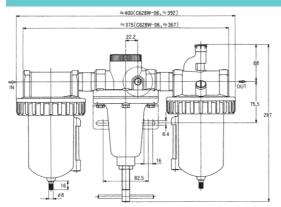


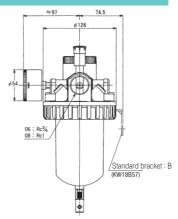


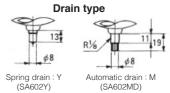


(Unit: mm)

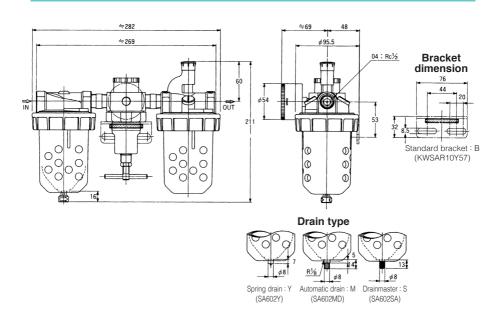
C628W-06, 08



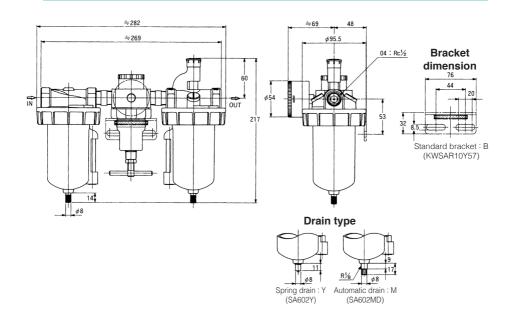




C668-04 (Unit:mm)







⚠ Precautions For Handling

When using pneumatic components, please obey JIS B8370-1988 (ISO 4414) general rules for pneumatic systems. Before operation, be sure to read the following precautions.

Installation

- Thoroughly clean the inside of air pipe before installation.
- Install the bowl vertically to help drainage.
- · Provide sufficient space for inspection and maintenance
- Avoid installing near air compressor. Installation
 Exposure directly under sunlight, strong wind, should be centered around pneumatic components to prevent damage from vapor and oil.

Maintenance

- · When washing the sight glass of the bowl and air lubricator, be sure to use a detergent.
- · Be sure to relieve residual air before detaching the
- · Drain out the filter periodically.
- · Choose turbine oil Class 1 (ISO VG32) or equivalent for lubrication.
- Avoid using spindle oil or machine oil for the plastic parts and O-ring may be corroded.
- · Periodically clean and replace filter cartridge to ensure filtration effects.
- · Examine the plastic bowls periodically to prevent cracking, damage, or aging.

Operation

- · When degraded sludge filter and micro mist filter is supplied with excess air flow, micro mist cannot be separated. Therefore, please supply airflow within the allowable range.
- · When adjusting pressure regulator, pressure is raised when turned clockwise and is lowered; when turned counter-clockwise.
- · When removing pressure gauge, please use proper hexagon wrench.
- Because there is quite a bit of water in the air, when using pressure regulatior alone please have the adjustment knob faced down to help water vapor flow out so that stagnation can be prevented.
- Before installation, be sure to properly identify the inlet and outlet to avoid leakage and ineffectiveness.
- Secondary pressure needs to be lower than 85% of the primary pressure so that the amount of pressure drop would be not sufficient to cause its original effects.
- Using two shut off valve with high-low pressure propelling loop to exchange gas, do not use backflow-enabling type to avoid backflowing from occurrence.

Caution

- As the transparent plastic parts are made of polycarbonate, they cannot be used in the following working environment or environment with chemicals. Please consult FONTAL before operating in these environments.
- or environment where temperature may be impacted.
- When phosphate-ester or polyester is included in the compressor and it reaches the polycarbonate parts will cause cracking, damage, or aging.
- Environments with the following chemicals: synthetic oil, inorganic substances, organic substances, mineral oil, freon, cutting oil, clove oil, nutmeg oil. following precautions.

