

FRL

Series

Air Combination

F.R.L



Standard Components/Standard Type

Specifications	Model	Port size	Components		
		Rc	Air filter	Air pressure regulator	Air lubricator
			F	R	L
FRL Series 	C628-02, 03	1/4, 3/8	F602-02, 03	R119-02, 03G	L606-02, 03
	C628W-02, 03		F602W-02, 03		L606W-02, 03
	C628-04	1/2	F602-04	R119-04G	L606-04
	C628W-04		F602W-04		L606W-04
	C628W-06, 08	3/4, 1	F602W-06, 08	R119-06, 08G	L606W-06, 08
	C668-4	1/2	F602-04	R011-04G	L606-04
	C668W-4		F602W-04		L606W-04

Specifications	Model	Port size	Components	
		Rc	Pressure regulator filter	Air lubricator
			B	L
BL Series 	U658-02, 03	1/4, 3/8	B011W-02, 03G	L606-02, 03
	U658W-02, 03			L606W-02, 03
	U658-04	1/2	B011W-04G	L606-04
	U658W-04			L606W-04
	U668-02, 03	1/4, 3/8	B012-02, 03G	L606-02, 03
	U668W-02, 03			L606W-02, 03
	U668-04	1/2	B012W-04G	L606-04
	U668W-04			L606W-04

Specifications	Model	Port size	Components	
		Rc	Air filter	Air pressure regulator
			F	R
FR Series 	U628-02, 03	1/4, 3/8	F602-02, 03	R119-02, 03G
	U628W-02, 03		F602W-02, 03	
	U628-04	1/2	F602-04	R119-04G
	U628W-04		F602W-04	
	U628W-06, 08	3/4, 1	F602W-06, 08	R119-06, 08G

Specifications	Model	Port size	Components		
		Rc	Air filter	Sludge filter	Air pressure regulator
			F	S	R
FSR Series 	C728-02, 03	¼, ⅜	F602-02, 03	S604-02, 03	R119-02, 03G
	C728W-02, 03		F602W-02, 03	S604D-02, 03	
	C728-04	½	F602-04	S604-04	R119-04G
	C728W-04		F602W-04	S604D-04	
	C728W-06, 08	¾, 1	F602W-06, 08	S604D-06, 08	R119-06, 08G

Specifications	Model	Port size	Components		
		Rc	Air filter	Micro mist filter	Air pressure regulator
			F	M	R
FSR Series 	C828-02, 03	¼, ⅜	F602-02, 03	M600-02, 03	R119-02, 03G
	C828W-02, 03		F602W-02, 03	M600D-02, 03	
	C828-04	½	F602-04	M600-04	R119-04G
	C828W-04		F602W-04	M600D-04	
	C828W-06, 08	¾, 1	F602W-06, 08	M600D-06, 08	R119-06, 08G

Specifications	Model	Port size	Components			
		Rc	Air filter	Sludge filter	Air pressure regulator	Air lubricator
			F	S	R	L
FSRL Series 	A728-02, 03	¼, ⅜	F602-02, 03	S604-02, 03	R119-02, 03G	L606-02, 03
	A728W-02, 03		F602W-02, 03	S604D-02, 03		L606W-02, 03
	A728-04	½	F602-04	S604-04	R119-04G	L606-04
	A728W-04		F602W-04	S604D-04		L606W-04
	A728W-06, 08	¾, 1	F602W-06, 08	S604D-06, 08	R119-06, 08G	L606W-06, 08

Specifications	Model	Port size	Components			
		Rc	Air filter	Micro mist filter	Air pressure regulator	Air lubricator
			F	M	R	L
FMRL Series 	A828-02, 03	¼, ⅜	F602-02, 03	M600-02, 03	R119-02, 03G	L606-02, 03
	A828W-02, 03		F602W-02, 03	M600D-02, 03		L606W-02, 03
	A828-04	½	F602-04	M600-04	R119-04G	L606-04
	A828W-04		F602W-04	M600D-04		L606W-04
	A828W-06, 08	¾, 1	F602W-06, 08	M600D-06, 08	R119-06, 08G	L606W-06, 08

Standard components/Miniature type

Specifications	Model	Port size Rc	Components		
			Air filter F	Air pressure regulator R	Air lubricator L
FRL Series 	C528-02	1/4	F504-02	R364-02G	L508-02
	C528D-02		F504D-02		L508D-02

Specifications	Model	Port size Rc	Components	
			Pressure regulator filter B	Air lubricator L
BL Series 	U558-02	1/4	B549-02G	L508-02
	U558D-02		B549D-02G	L508D-02

Specifications	Model	Port size Rc	Components	
			Air filter F	Air pressure regulator R
FR Series 	U528-02	1/4	F504-02	R364-02G
	U528D-02		F504D-02	

Content

Standard

FRL Series/C628, C668 -----	K6
BL Series/U658, U668 -----	K14
FR Series/U628 -----	K18
FSR Series/C728 -----	K23
FMR Series/C828 -----	K23
FSRL Series/A728 -----	K28
FMRL Series/A828 -----	K28
Air Filter/F602 -----	K35
Coalescing Filter/H604 -----	K41
Sludge Filter/S604 -----	K45
Precision Micro Mist Filter/M600 -----	K49
Air Pressure Regulator/R119 -----	K54
Pilot Regulator/BR -----	K59
Air Pressure Regulator/R010, R011 -----	K61
Air Lubricator/L606 -----	K65
Integral Filter-Regulator/B011, B012 -----	K71

Miniature type

FRL Series/C528 -----	K74
BL Series/U558 -----	K77
FR Series/U528 -----	K80
Air Filter/F504 -----	K83
Air Pressure Regulator/R364 -----	K85
Air Lubricator/L508 -----	K87
Integral Filter-Regulator/B549 -----	K89

Water Regulator/W361 -----	K92
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Pressure Relief Valve/P130, P300 -----	K94
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Water Drain Valve/D011, D608 -----	K97
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Accessory

Bracket -----	K99
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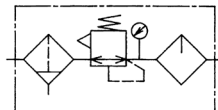
FRL Series/C628, C668

Standard type

Air Filter + Air Pressure Regulator + Air Lubricator

- Standard combination of 3 features: filtering, pressure regulating, and air lubricating.
- Wide range of Port size from Rc $\frac{1}{4}$ ~1 to fit all customers' needs.
- Diverse ways to discharge water: automatic, drainmaster, spring drain, manual water drain.

JIS Symbol



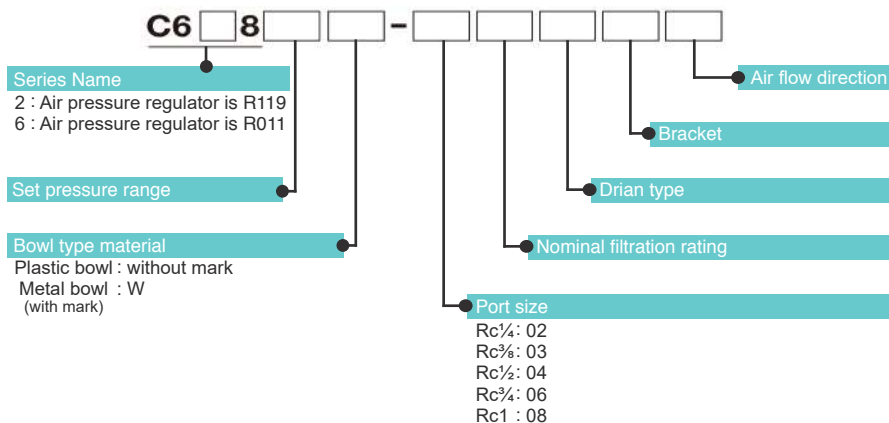
C628-03



C668W-03

Specifications

Model No.		Unit	C628-02, 03	C628-04	C628-06, 08	C668-04
Port size			Rc $\frac{1}{4}$, $\frac{3}{8}$	Rc $\frac{1}{2}$	Rc $\frac{3}{4}$, 1	Rc $\frac{1}{2}$
Maximum operating pressure	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)
Proof pressure	Platic bowl	MPa[kgf/cm 2]	1.5 (15)		—	1.5 (15)
	Metal bowl (with mark)	MPa[kgf/cm 2]	1.8 (18)		1.8 (18)	1.8 (18)
Operating temperature range	Platic bowl	°C	5~50		—	5~50
	Metal bowl (with mark)	°C	5~65		5~65	5~65
Nominal filtration rating		μ m	5 (standard)			
Capacity of filter bowl		cc	60	90	180	90
Set pressure range		MPa[kgf/cm 2]	0.02~0.75 (0.2~7.5) (standard)			
Minimum dropping flow rate		l/min (ANR)	About 30			
Capacity of Air lubricator bowl		cc	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.

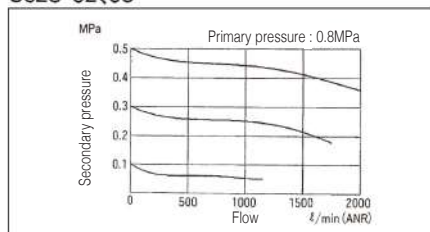
Option

Model No.		Mark	C628-02, 03, 04	C628W-02, 03, 04	C628W-06, 08	C668-04	C668W-04
Bowl type material			Platic bowl	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	○		—		
Pressure relief mechanism	Pressure relief type	Without mark	◎			◎	
Nominal fittrion rating	5 μm	Without mark	◎				
	20 μm	N	○				
	40 μm	J	○				
Drain type	Manual	Without mark	◎	◎	◎	◎	
	Spring drain	Y	○	○	○	○	
	Automatic drain	M	○	○	○	○	
	Drainmaster	S	○	—	○	—	
Pressure gauge			Pressure gauge is a standard accessory				
Bracket	Standard	B	○			○	
Air flow direction	Left to Right	Without mark	◎				
	Right to Left	R	○				

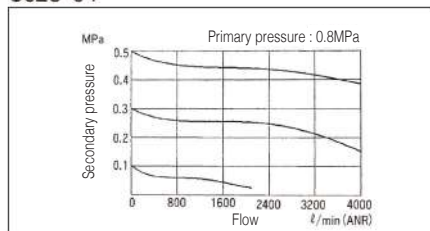
◎ Standard ○ Option

Flow characteristics

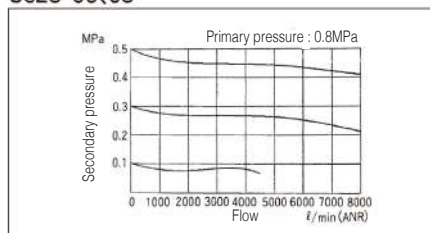
C628-02,03



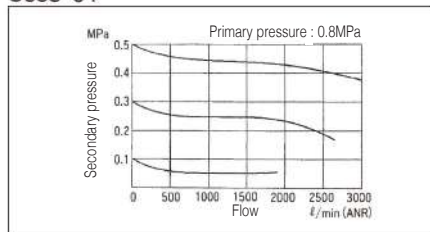
C628-04



C628-06,08

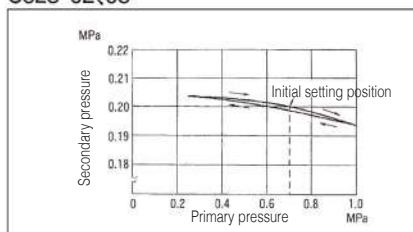


C668-04

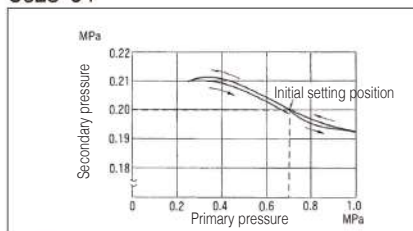


Pressure characteristics

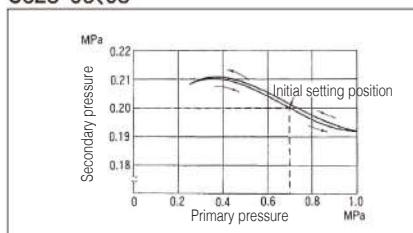
C628-02,03



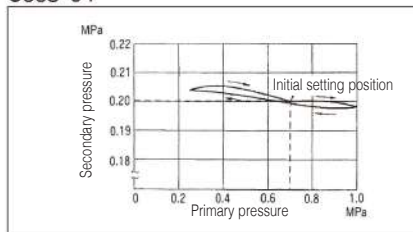
C628-04



C628-06,08

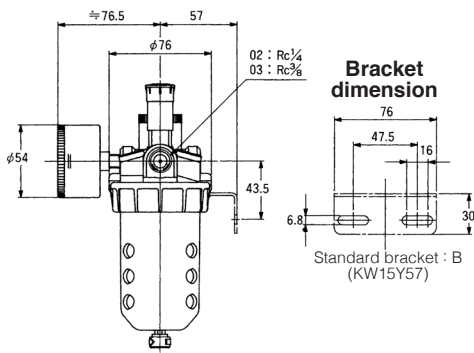
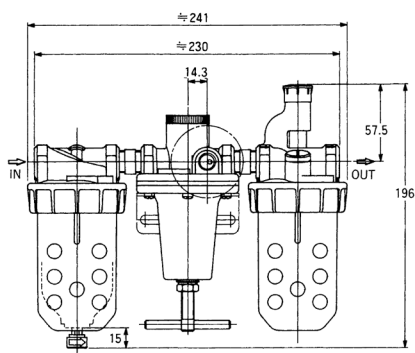


C668-04

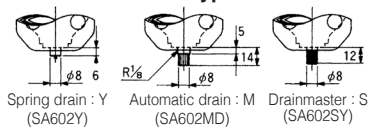


C628-02, 03

(Unit : mm)

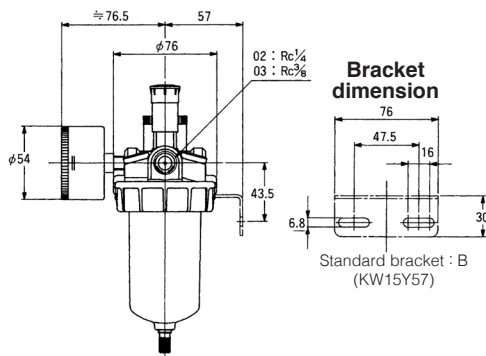
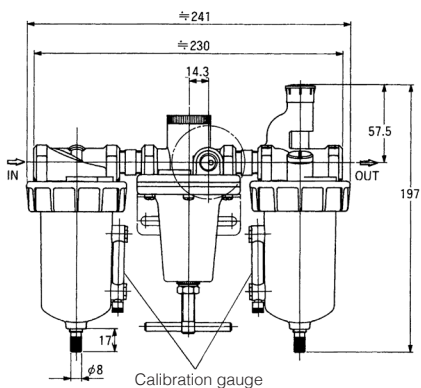


Drain type

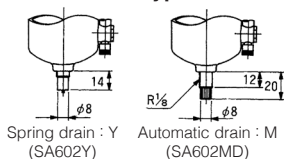


C628W-02, 03

(Unit : mm)

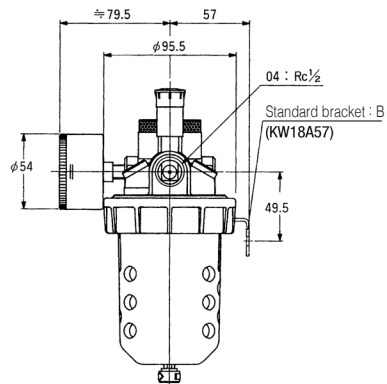
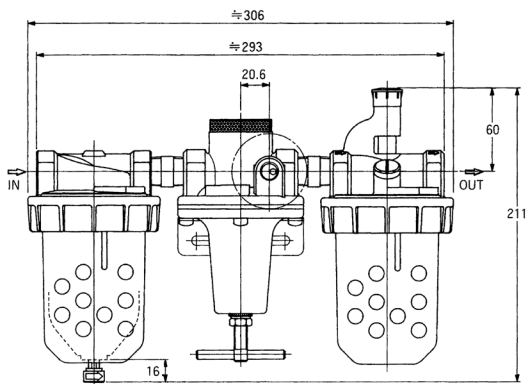


Drain type

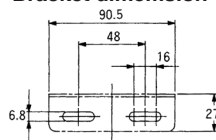


C628-04

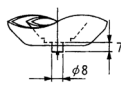
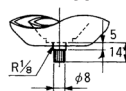
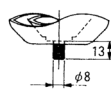
(Unit : mm)



Bracket dimension

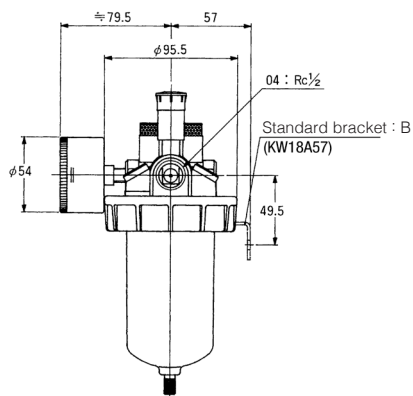
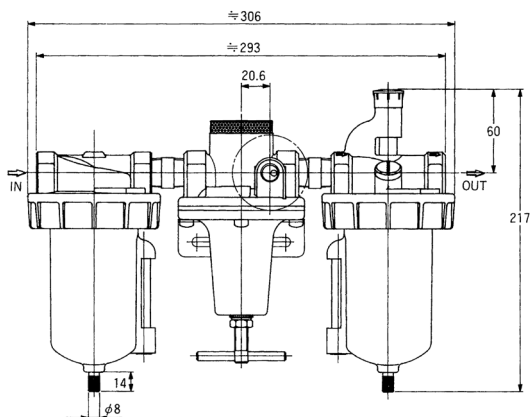


Drain type

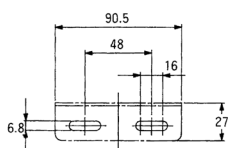
Spring drain : Y
(SA602Y)Automatic drain : M
(SA602MD)drainmaster : S
(SA602SA)

C628W-04

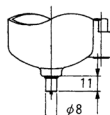
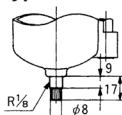
(Unit : mm)



Bracket dimension

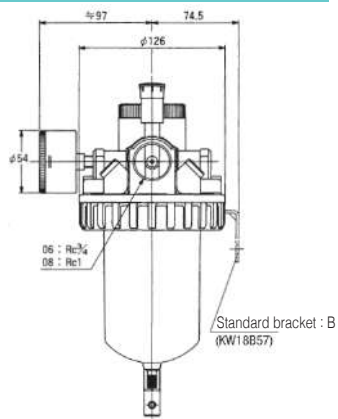
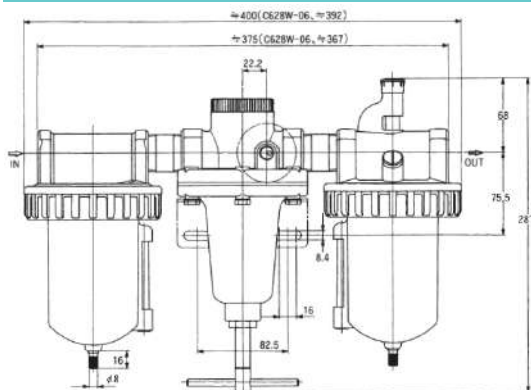


Drain type

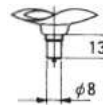
Spring drain : Y
(SA602Y)Automatic drain : M
(SA602MD)

C628W-06, 08

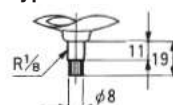
(Unit : mm)



Drain type



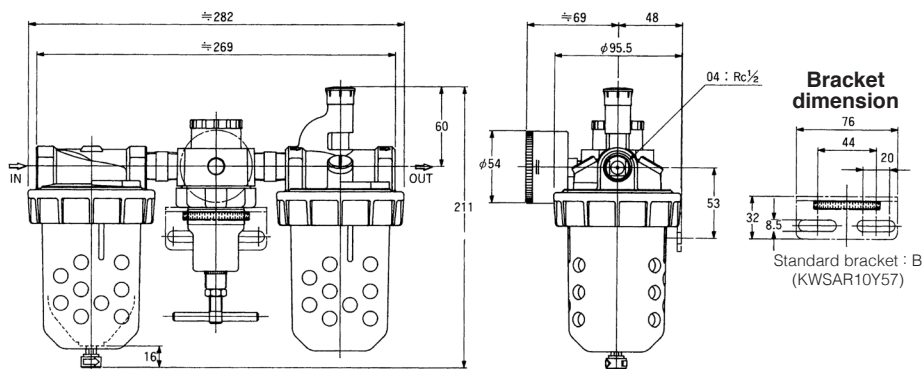
Spring drain : Y
(SA602Y)



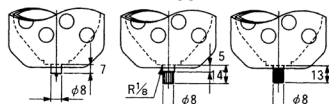
Automatic drain : M
(SA602MD)

C668-04

(Unit : mm)

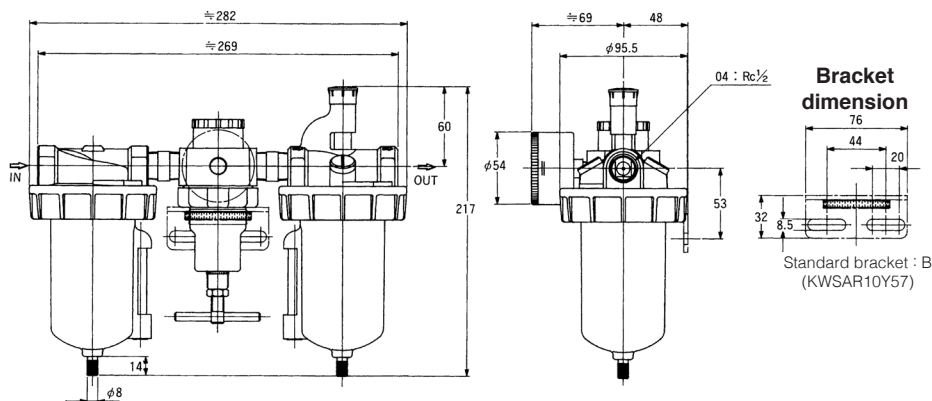


Drain type

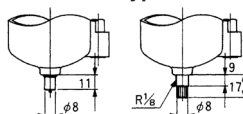
Spring drain : Y
(SA602Y)Automatic drain : M
(SA602MD)Drainmaster : S
(SA602SA)

C668W-04

(Unit : mm)



Drain type

Spring drain : Y
(SA602Y)Automatic drain : M
(SA602MD)

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 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 bowl.
- 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 regulator 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

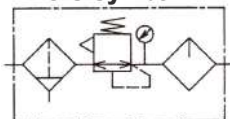
- As the transparent plastic parts are made of polycarbonate, they cannot be used in the following working environment or environment with chemicals. Please consult FONTAL before operating in these environments.
- Exposure directly under sunlight, strong wind, or environment where temperature may be 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.

BL Series/U658, U668

Integral Filter-Regulator + Air Lubricator

- Slim design with one body integrated.
- Easy to use, convenient to repair.
- Diverse ways to discharge water: automatic drain, drainmaster, spring drain, manual water drain.

JIS Symbol



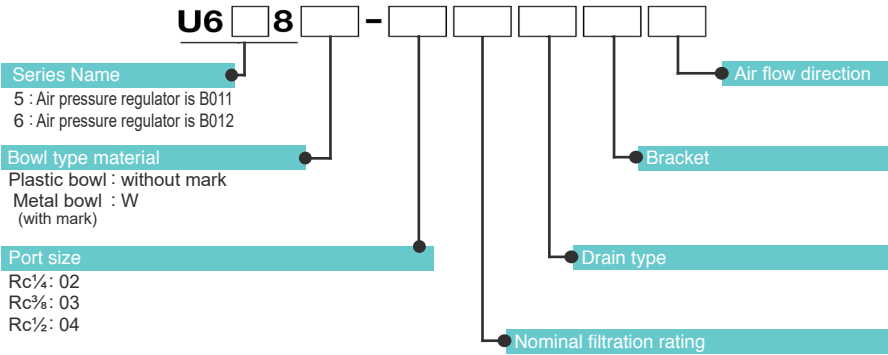
U658-03



U668-03

Specifications

Model No.		Unit	U628-02, 03	U658-04	U668-02, 03	U668-04
Port size			Rc¼, ⅜	Rc½	Rc¼, ⅜	Rc½
Maximum operating pressure	Platic bowl	MPa[kgf/cm ²]	1 (10)			
	Metal bowl(with mark)	MPa[kgf/cm ²]	1.2(12)			
Proof pressure	Platic bowl	MPa[kgf/cm ²]	1.5(15)			
	Metal bowl(with mark)	MPa[kgf/cm ²]	1.8(18)			
Operating temperature range	Platic bowl	°C	5~50			
	Metal bowl(with mark)	°C	5~65			
Nominal filtration rating		µm	5 (standard)			
Capacity of filter bowl		cc	40			
Set pressure range		MPa[kgf/cm ²]	0.02~0.75(0.2~7.5)			
Minimum dropping flow rate		l/min (ANR)	About 30			
Capacity of air lubricator bowl		cc	130	200	130	200
Recommended lubricant			(ISO VG32)			
Components	Pressure regulator filter		B011-02, 03	B011-04	B012-02, 03	B012-04
	Air lubricator		L606-02, 03	L606-04	L606-02, 03	L606-04
Weight		kg	1.56	2.0	1.56	2.0





• Please refer to symbol specification table and option table.

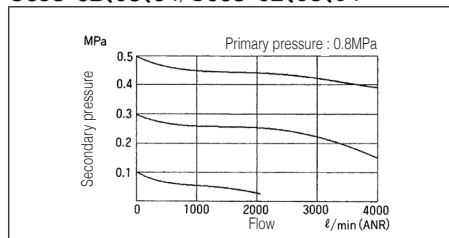
Option

Model No.		Mark	U658-02, 03, 04	U658W-02, 03, 04	U668-02, 03, 04	U668W-02, 03, 04
Bowl type material			Platic bowl	Metal bowl (with mark)	Platic bowl	Metal bowl (with mark)
Nominal filtration rating	5 μm	Without mark	◎			
	20 μm	N	○			
	40 μm	J	○			
Drain type	Manual	Without mark	◎			
	Spring drain	Y	○			
	Automatic drain	M	○			
	Drainmaster	S	○			
Pressure gauge		Without mark	Pressure gauge is a standard accessory			
Bracket	Standard	B	○			
Air flow direction	Left to Right	Without mark	◎			
	Right to Left	R	○			

◎ Standard ○ Option

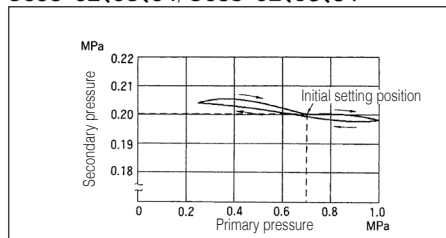
Flow characteristics

U658-02、03、04/U668-02、03、04



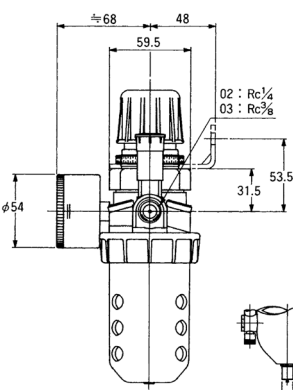
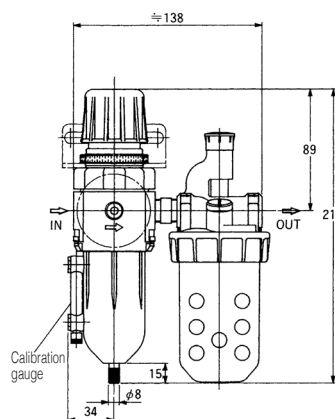
Pressure characteristics

U658-02、03、04/U668-02、03、04

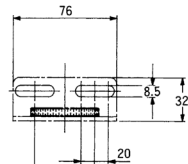


U658-02, 03

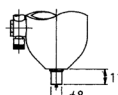
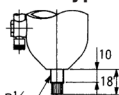
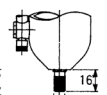
(Unit : mm)



Bracket dimension

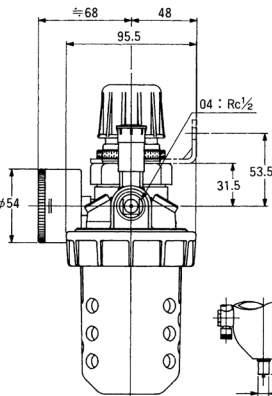
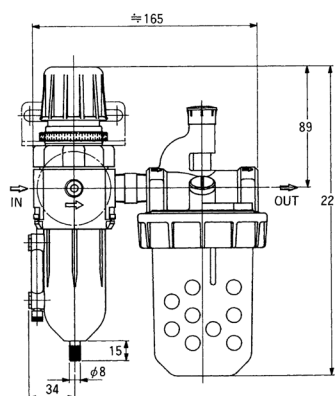
Standard bracket : B
(KWSAR10Y57)

Drain type

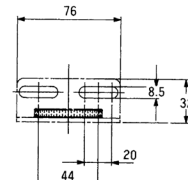
Spring drain : Y
(SA602Y)Automatic drain : M
(SA602MD)Drainmaster : S
(SAB11S)

U658-04

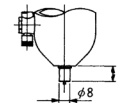
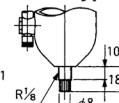
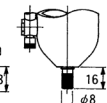
(Unit : mm)



Bracket dimension

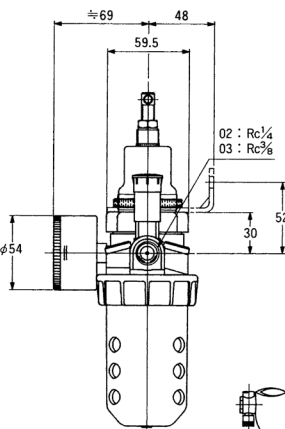
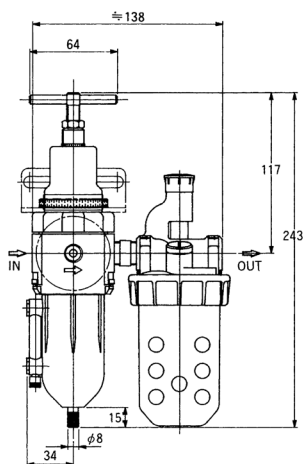
Standard bracket : B
(KWSAR10Y57)

Drain type

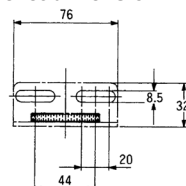
Spring drain : Y
(SA602Y)Automatic drain : M
(SA602MD)Drainmaster : S
(SAB11S)

U668-02, 03

(Unit : mm)

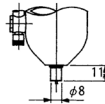


Bracket dimension

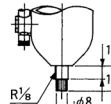


Standard bracket : B
(KWSAR10Y57)

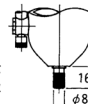
Drain type



Spring drain : Y
(SA602Y)



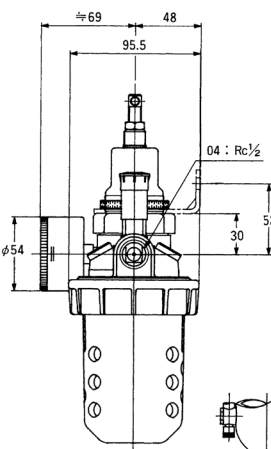
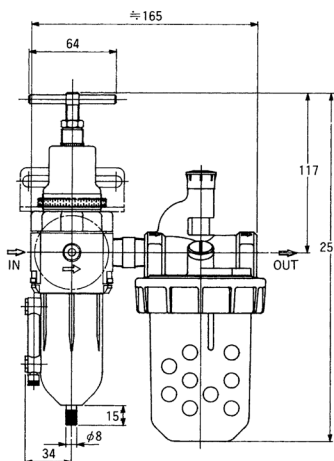
Automatic drain : M
(SA602MD)



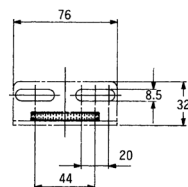
Drainmaster : S
(SAB11S)

U668-04

(Unit : mm)

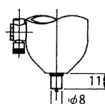


Bracket dimension

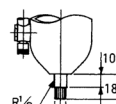


Standard bracket : B
(KWSAR10Y57)

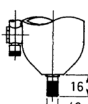
Drain type



Spring drain : Y
(SA602Y)



Automatic drain : M
(SA602MD)



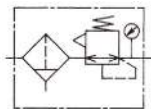
Drainmaster : S
(SAB11S)

FR Series/U628

Standard type
Air Filter + Air Pressure Regulator

- Combination of filter and pressure regulator. Cost efficient and especially suitable for back-end machine with no lubrication need.
- Easy to use, convenient to repair.
- Diverse ways to discharge water: automatic drain, drainmaster, spring drain, manual water drain.

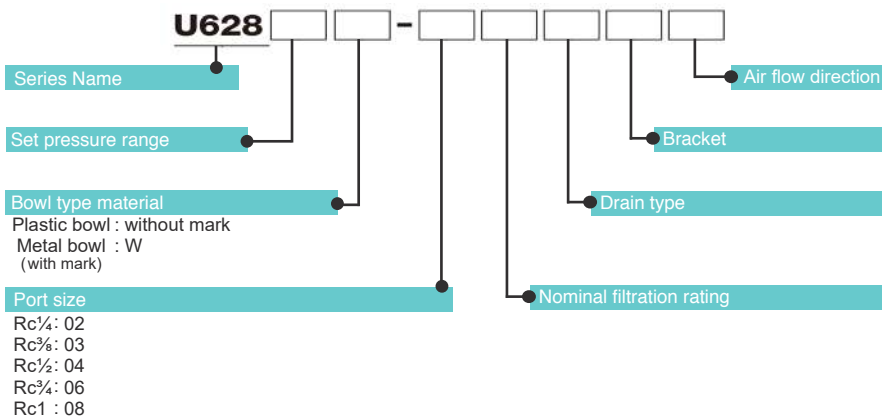
JIS Symbol



U628-03

Specifications

Model No.		Unit	U628-02, 03	U628-04	U628-06, 08
Port size			Rc¼, ¾	Rc½	Rc¾, 1
Maximum operating pressure	Platic bowl	MPa[kgf/cm ²]	1 (10)		—
	Metal bowl(with mark)	MPa[kgf/cm ²]	1.2 (12)		1.2 (12)
Proof pressure	Platic bowl	MPa[kgf/cm ²]	1.5 (15)		—
	Metal bowl(with mark)	MPa[kgf/cm ²]	1.8 (18)		1.8 (18)
Operating temperature range	Platic bowl	°C	5~50		—
	Metal bowl(with mark)	°C	5~65		5~65
Nominal filtration rating		μm	5 (standard)		
Capacity of filter bowl		cc	60	90	180
Set pressure range		MPa[kgf/cm ²]	0.02~0.75(0.2~7.5)		
Components	Air filter		F602-02, 03	F602-04	F602-06, 08
	Air pressure regulator		R119-02, 03	R119-04	R119-06, 08
Weight		kg	1.12	1.91	4.4



- 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.

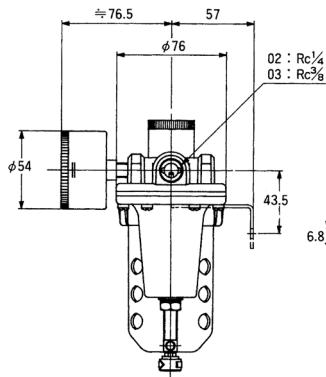
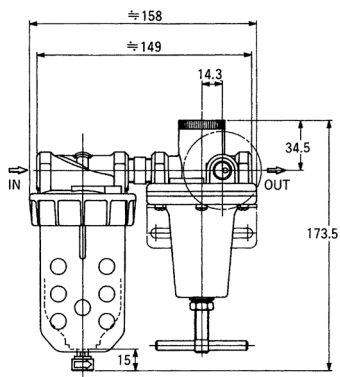
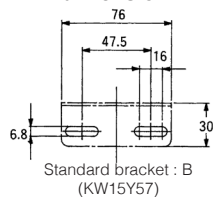
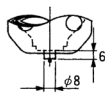
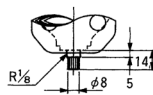
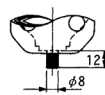
Option

Model No.		Mark	U628-02, 03, 04	U628W-02, 03, 04	U628W-06, 08
Bowl type material			Platic bowl	Metal bowl (with mark)	
Set pressure range	Standard pressure (0.02~0.75MPa)	Without mark	◎		◎
	Low pressure (0.01~0.4MPa)	L	○		—
Pressure relief mechanism	Pressure relief type	Without mark	◎		
Nominal filtration rating	5 μm	Without mark	◎		
	20 μm	N	○		
	40 μm	J	○		
Drain type	Manual	Without mark	◎	◎	
	Spring drain	Y	○	○	
	Automatic drain	M	○	○	
	Drainmaster	S	○	—	
Pressure gauge			Pressure gauge is a standard accessory		
Bracket	Standard	B	○		
Air flow direction	Left to Right	Without mark	◎		
	Right to Left	R	○		

◎ Standard ○ Option

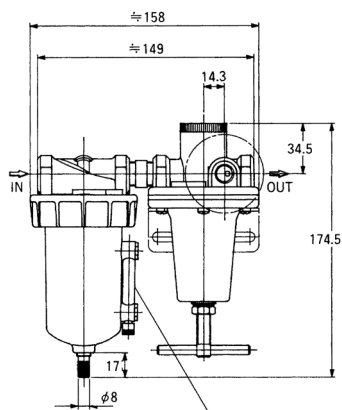
U628-02, 03

(Unit : mm)

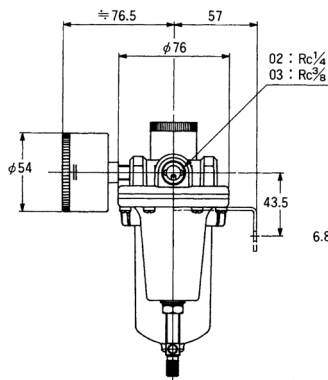
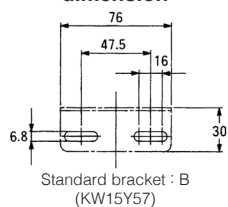
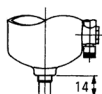
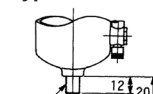
**Bracket dimension****Drain type**Spring drain : Y
(SA602Y)Automatic drain : M
(SA602MD)Drainmaster : S
(SA602SY)

U628W-02, 03

(Unit : mm)

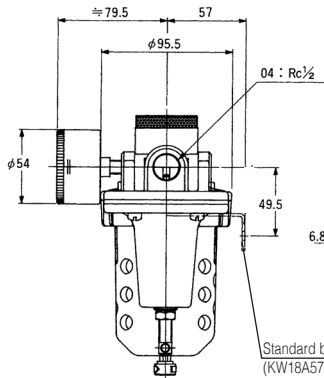
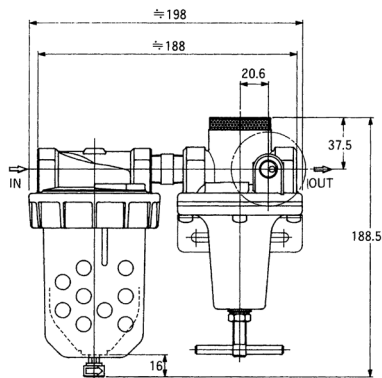


Calibration gauge

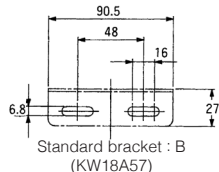
**Bracket dimension****Drain type**Spring drain : Y
(SA602Y)Automatic drain : M
(SA602MD)

U628-04

(Unit : mm)

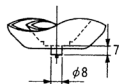


Bracket dimension

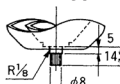


Standard bracket : B
(KW18A57)

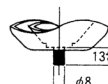
Drain type



Spring drain : Y
(SA602Y)



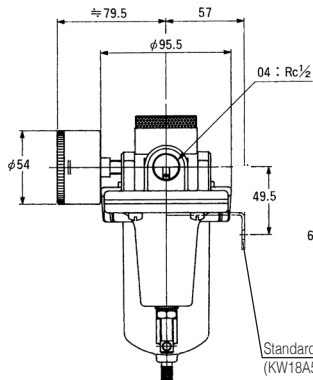
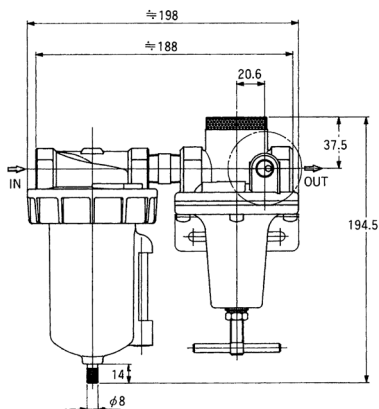
Automatic drain : M
(SA602MD)



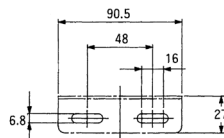
Drainmaster : S
(SA602SA)

U628W-04

(Unit : mm)



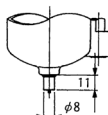
Bracket dimension



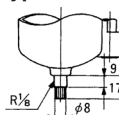
Standard bracket : B
(KW18A57)

Standard bracket : B
(KW18A57)

Drain type



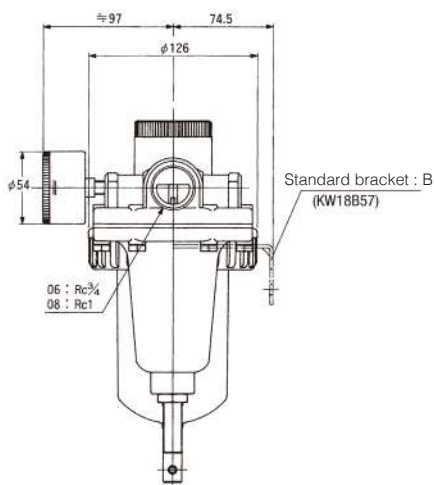
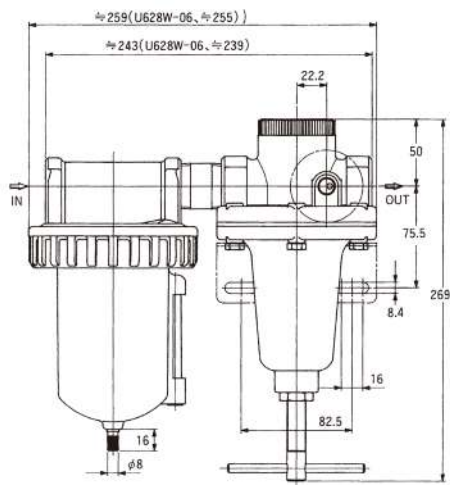
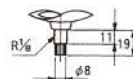
Spring drain : Y
(SA602Y)



Automatic drain : M
(SA602MD)

U628W-06, 08

(Unit : mm)

**Drain type**Spring drain : Y
(SA602Y)Automatic drain : M
(SA602MD)

FSR Series/C728, FMR Series/C828

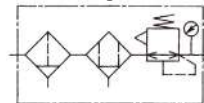
Standard type

Air Filter + Sludge Filter + Air Pressure Regulator

Air Filter + Micro Mist Filter + Air Pressure Regulator

- Good filtering effect : 0.3 μ m(C728), 0.01 μ m(C828).
- Easy to use, convenient to repair.
- Diverse ways to discharge water : automatic drain, drainmaster, spring drain, manual water drain.

JIS Symbol



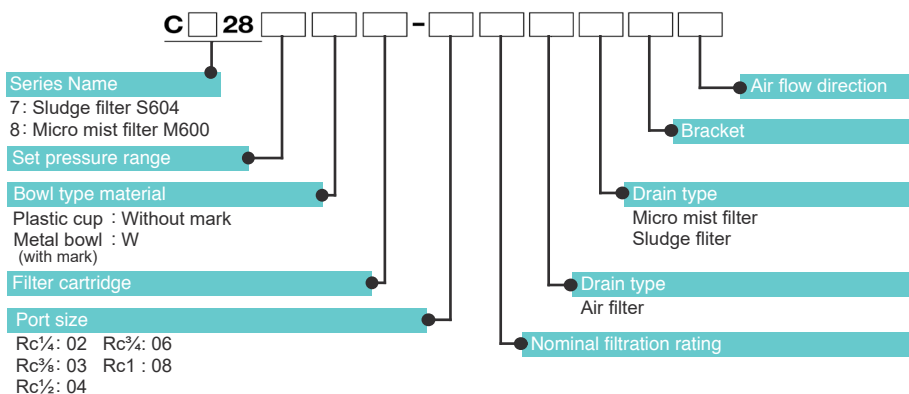
C728-03



C828-03

Specifications

Model No.		Unit	C728-02, 03	C728-04	C728-06, 08	C828-02, 03	C828-04	C828-06, 08
Port size			Rc¼, ⅜	Rc½	Rc¾, 1	Rc¼, ⅜	Rc½	Rc¾, 1
Maximum operating pressure	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)		1.2(12)
Proof pressure	Platic bowl	MPa[kgf/cm ²]	1.5(15)		—	1.5(15)		—
	Metal bowl (with mark)	MPa[kgf/cm ²]	1.8(18)		1.8(18)	1.8(18)		1.8(18)
Operating temperature range	Platic bowl	℃	5~50		—	5~50		—
	Metal bowl (with mark)	℃	5~65		5~65	5~65		5~65
Nominal filtration rating		μm	0.3			0.01		
Capacity of filter bowl	Air filter	cc	60	90	180	60	90	180
	Sludge filter	cc	20		200	—		—
	Micro mist filter	cc	—		—	80		220
Set pressure range		MPa[kgf/cm ²]	0.02~0.75 (0.2~7.5) (standard)					
Reference Max Flow	Standard	l/min (ANR)	750		3500	283		1415
	Lengthened	l/min (ANR)	1500		—	566		—
Components	Air filter		F602-02, 03	F602-04	F602-06, 08	F602-02, 03	F602-04	F602-06, 08
	Sludge filter		S602-02, 03	S602-04	S602-06, 08	—	—	—
	Micro mist filter		—	—	—	M600-02, 03	M600-04	M600-06, 08
	Air pressure regulator		R119-02, 03	R119-04	R119-06, 08	R119-02, 03	R119-04	R119-06, 08
Weight		kg	1.67	2.42	7.04	1.68	2.43	7.03



- 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.

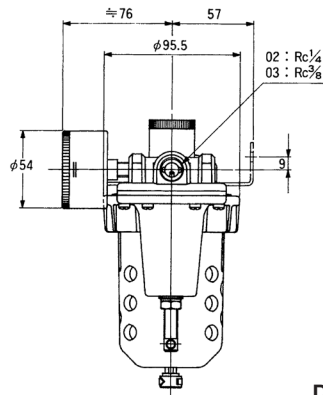
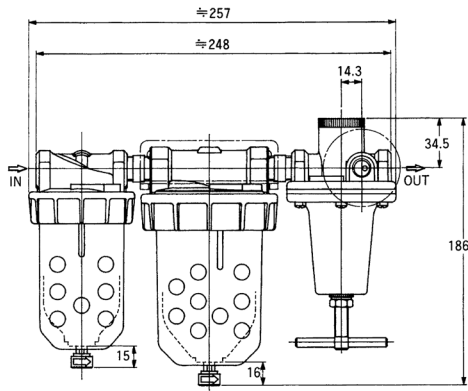
Option

Model No.	Mark	C728-02, 03, 04	C728W-02, 03, 04	C728W-06, 08	C828-02, 03, 04	C828W-02, 03, 04	C828W-06, 08
Bowl type material		Platic bowl	Metal bowl (with mark)		Platic bowl	Metal bowl (with mark)	
Pressure adjustment range	Standard pressure (0.02~0.75MPa)	Without mark	⊙	⊙	⊙	⊙	⊙
	Low pressure (0.01~0.4MPa)	L	○	—	○	—	—
Pressure relief mechanism	Pressure relief type	Without mark	⊙				
Filter cartridge	Standard	Without mark	⊙	⊙	⊙	⊙	⊙
	Lengthened	F	—	○	—	○	—
Nominal filtration rating	5 μm	Without mark	⊙				
	20 μm	N	○				
	40 μm	J	○				
Drain type (Air filter)	Manual	Without mark	⊙	⊙	⊙	⊙	⊙
	Spring drain	Y	○	○	○	○	○
	Automatic drain	M	○	○	○	○	○
	Drainmaster	S	○	—	○	—	—
Drain type (Sludge filter, Micro mist filter)	Manual	Without mark	⊙	⊙	⊙	⊙	⊙
	Spring drain	Y1	○	○	○	○	○
	Automatic drain	M1	—	○	—	○	○
Pressure gauge			Pressure gauge is a standard accessory				
Bracket	Standard	B	○ (Can't use Port size Rc $\frac{3}{4}$, 1)				
Air flow direction	Left to Right	Without mark	⊙				
	Right to Left	R	○				

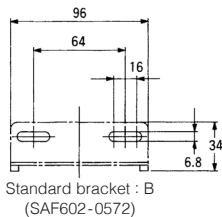
⊙ Standard ○ Option

C728-02, 03/C828-02, 03

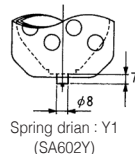
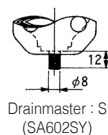
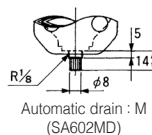
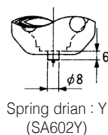
(Unit : mm)



Bracket dimension



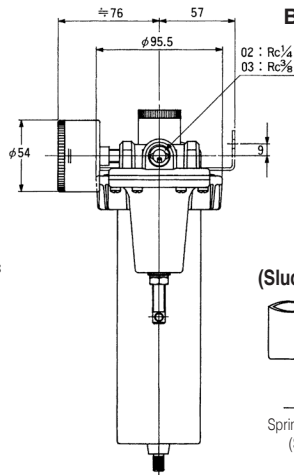
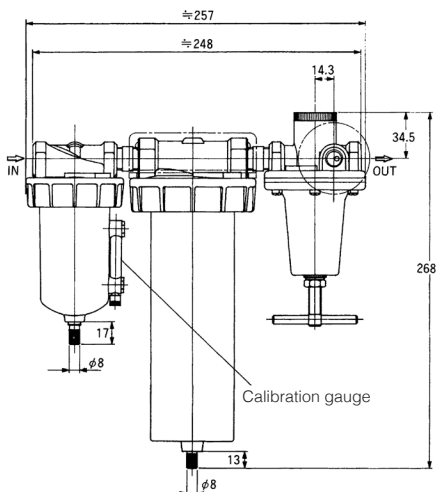
Drain type (Air filter)



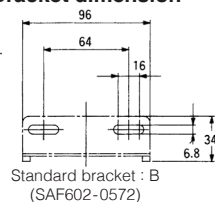
Drain type (Sludge filter, Micro mist filter)

C728W-02, 03/C828W-02, 03

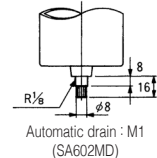
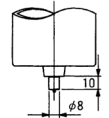
(Unit : mm)



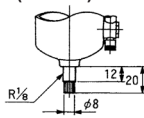
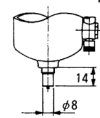
Bracket dimension



Drain type (Sludge filter, Micro mist filter)

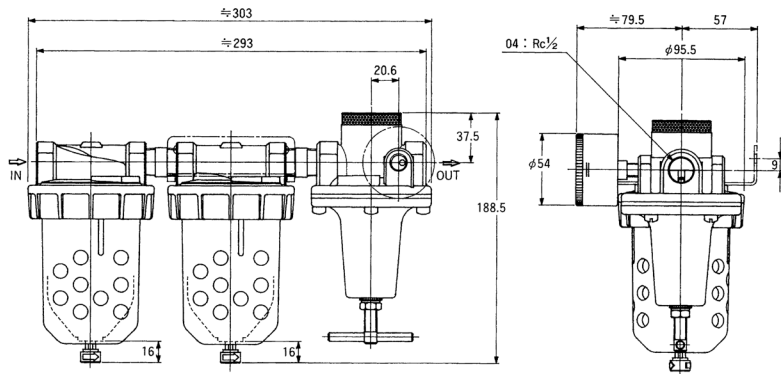
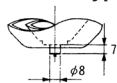
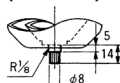
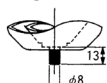
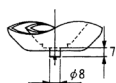
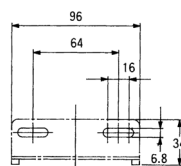


Drain type (Air filter)



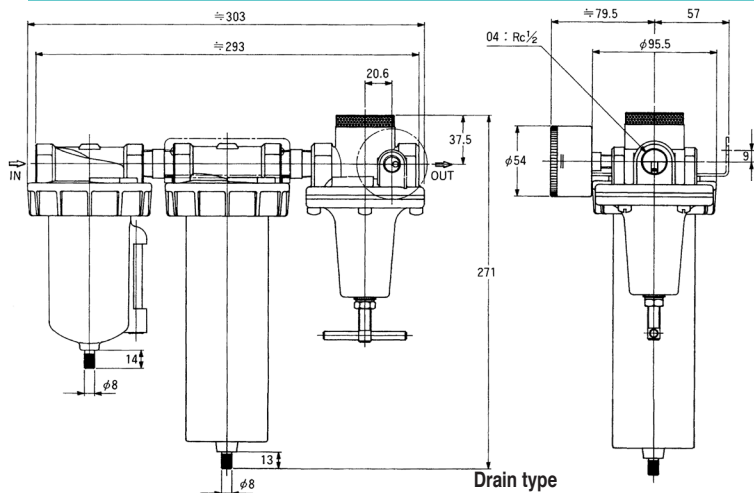
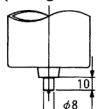
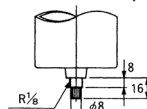
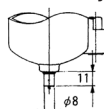
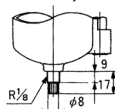
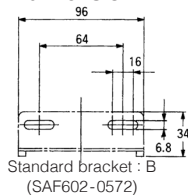
C728-04/C828-04

(Unit : mm)

**Drain type (Air filter)**Spring drain : Y
(SA602Y)Automatic drain : M
(SA602MD)**Drain type
(Sludge filter, Micro mist filter)**Drainmaster : S
(SA602SA)Spring drain : Y1
(SA602Y)**Bracket
dimension**Standard bracket : B
(SAF602-0572)

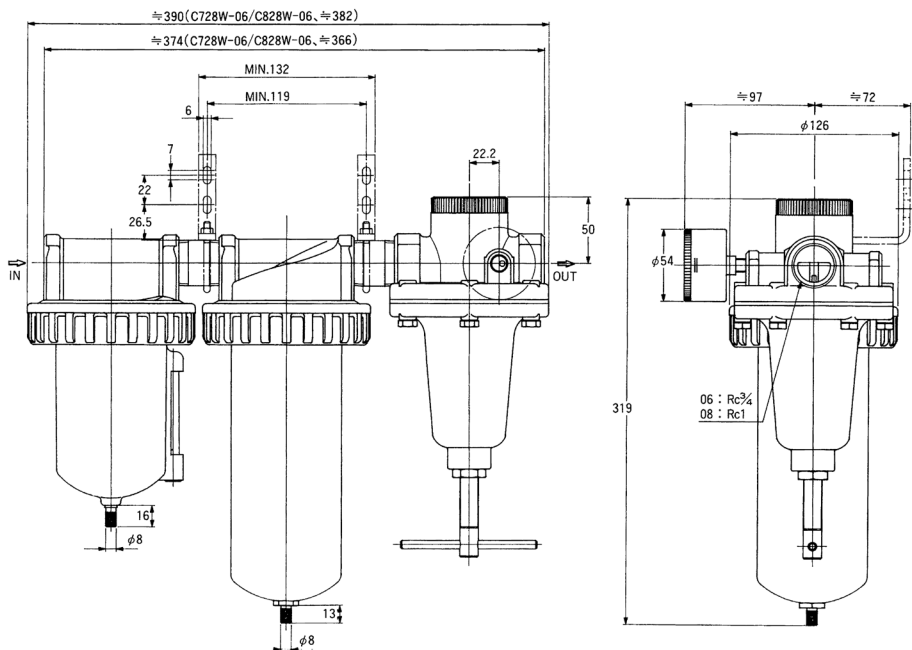
C728W-04/C828W-04

(Unit : mm)

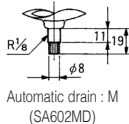
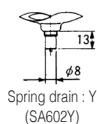
**Drain type
(Sludge filter Micro mist filter)**Spring drain : Y1
(SA602Y)Automatic drain : M1
(SA602MD)**Drain type (Air filter)**Spring drain : Y
(SA602Y)Automatic drain : M
(SA602MD)**Bracket
dimension**Standard bracket : B
(SAF602-0572)

C728W-06, 08/C828W-06, 08

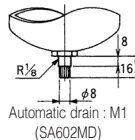
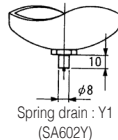
(Unit : mm)



Drain type (Air filter)



Drain type (Sludge filter, Micro mist filter)



FSRL Series/A728, FMRL Series/A828

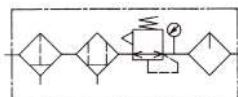
Standard type

Air Filter + Sludge Filter + Air Pressure Regulator+Air Lubricator

Air Filter + Micro Mist filter + Air Pressure Regulator + Air Lubricator

- Good filtering effect : 0.3μm(A728), 0.01μm(A828).
- Easy to use, convenient to repair.
- Integrated with four features to fulfill customers' need at once.
- Diverse ways to discharge water: automatic drain, drainmaster, spring drain, Manual water drain.

JIS Symbol



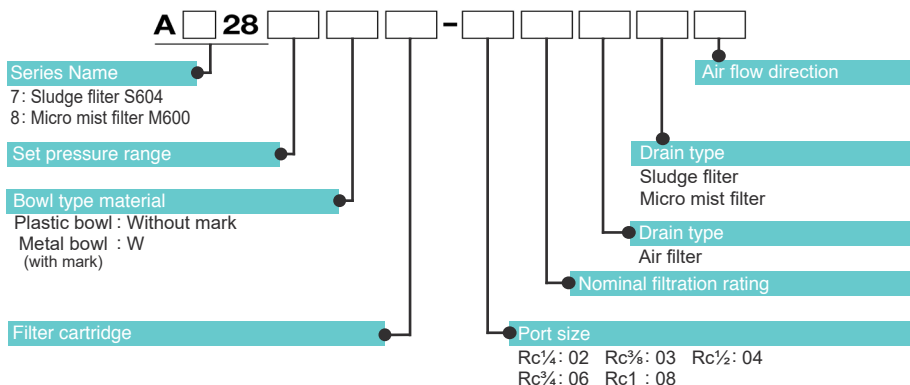
A828-03



A728-03

Specifications

Model No.		Unit	A728-02, 03		A728-04	A728-06, 08		A828-02, 03	A828-04	A828-06, 08
Port size			Rc¼, ¾	Rc½	Rc¾, 1	Rc¼, ¾	Rc½	Rc¾, 1		
Maximum operating pressure	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)		1.2 (12)		1.2 (12)
Proof pressure	Platic bowl	MPa[kgf/cm ²]	1.5 (15)		—	1.5 (15)		—		—
	Metal bowl (with mark)	MPa[kgf/cm ²]	1.8 (18)		1.8 (18)	1.8 (18)		1.8 (18)		1.8 (18)
Operating temperature range	Platic bowl	℃	5~50		—	5~50		—		—
	Metal bowl (with mark)	℃	5~65		5~65	5~65		5~65		5~65
Nominal filtration rating		μm	0.3			0.01				
Capacity of filter bowl	Air filter	cc	60	90	180	60	90	180		
	Sludge filter	cc	20		200	—		—		
	Micro mist filter	cc	—		—	80		220		
Set pressure range		MPa[kgf/cm ²]	0.02~0.75 (0.2~7.5) (standard)							
Minimum dropping flow rate		l/min (ANR)	about 30							
Capacity of air lubricator bowl		cc	130	200	540	130	200	540		
Recommended lubricant			(ISO VG32)							
Filter cartridge	Standard	l/min (ANR)	750		3500	283		1415		
	Lengthened	l/min (ANR)	1500		—	566		—		
Components	Air filter		F602-02, 03	F602-04	F602-06, 08	F602-02, 03	F602-04	F602-06, 08		
	Sludge filter		S604-02, 03	S604-04	S604-06, 08	—	—	—		
	Micro mist filter		—	—	—	M600-02, 03	M600-04	M600-06, 08		
	Air pressure regulator		R119-02, 03	R119-04	R119-06, 08	R119-02, 03	R119-04	R119-06, 08		
	Air lubricator		L606-02, 03	L606-04	L606-06, 08	L606-02, 03	L606-04	L606-06, 08		
Weight		kg	2.33	3.44	8.74	2.33	3.44	8.74		



- 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.

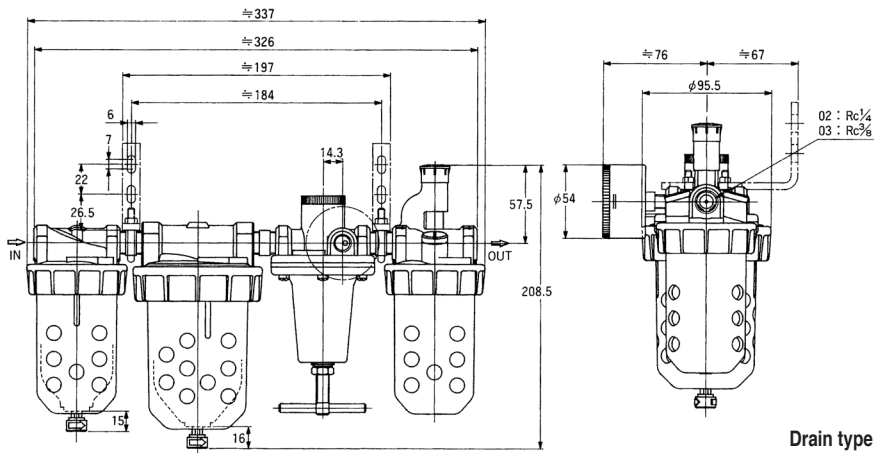
Option

Model No.		Mark	A728-02, 03, 04	A728W-02, 03, 04	A728W-06, 08	A828-02, 03, 04	A828W-02, 03, 04	A828W-06, 08
Bowl type material			Platic bowl	Metal bowl (with mark)		Platic bowl	Metal bowl (with mark)	
Pressure adjustment range	Standard pressure (0.02~0.75MPa)	Without mark	◎		◎	◎		◎
	Low pressure (0.01~0.4MPa)	L	○		—	○		—
Pressure relief mechanism	Pressure relief type	Without mark	◎					
Filter cartridge	Standard	Without mark	◎	◎	◎	◎	◎	◎
	Lengthened	F	—	○	—	—	○	—
Nominal filtration rating	5 μm	Without mark	◎					
	20 μm	N	○					
	40 μm	J	○					
Drain type (Air filter)	Manual	Without mark	◎	◎		◎	◎	
	Spring drain	Y	○	○		○	○	
	Automatic drain	M	○	○		○	○	
	Drainmaster	S	○	—		○	—	
Drain type (Sludge filter, Micro mist filter)	Manual	Without mark	◎	◎		◎	◎	
	Spring drain	Y1	○	○		○	○	
	Automatic drain	M1	—	○		—	○	
Pressure gauge			Pressure gauge is a standard accessory					
Air flow direction	Left to Right	Without mark	◎					
	Right to Left	R	○					

◎ Standard ○ Option

A728-02, 03/A828-02, 03

(Unit : mm)

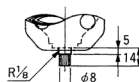


Drain type (Air filter)

Drain type (Sludge filter, Micro mist filter)



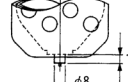
Spring drain : Y
(SA602Y)



Automatic drain : M
(SA602MD)



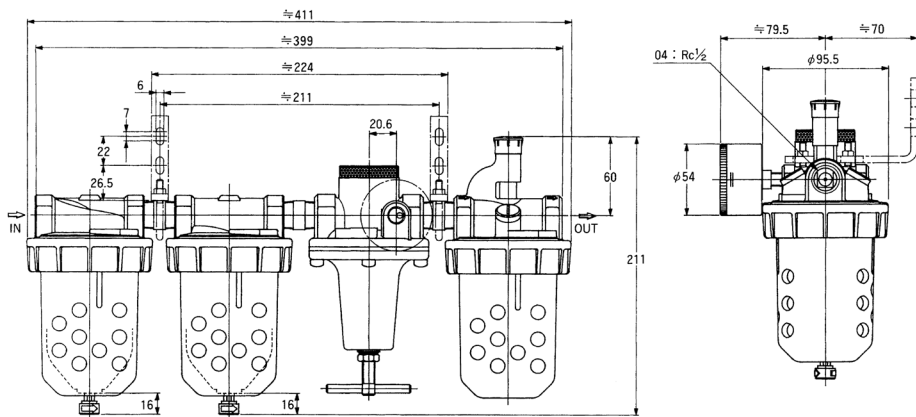
Drainmaster : S
(SA602SY)



Spring drain : Y1
(SA602Y)

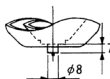
A728-04/A828-04

(Unit : mm)

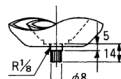


Drain type (Air filter)

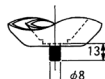
Drain type (Sludge filter, Micro mist filter)



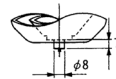
Spring drain : Y
(SA602Y)



Automatic drain : M
(SA602MD)

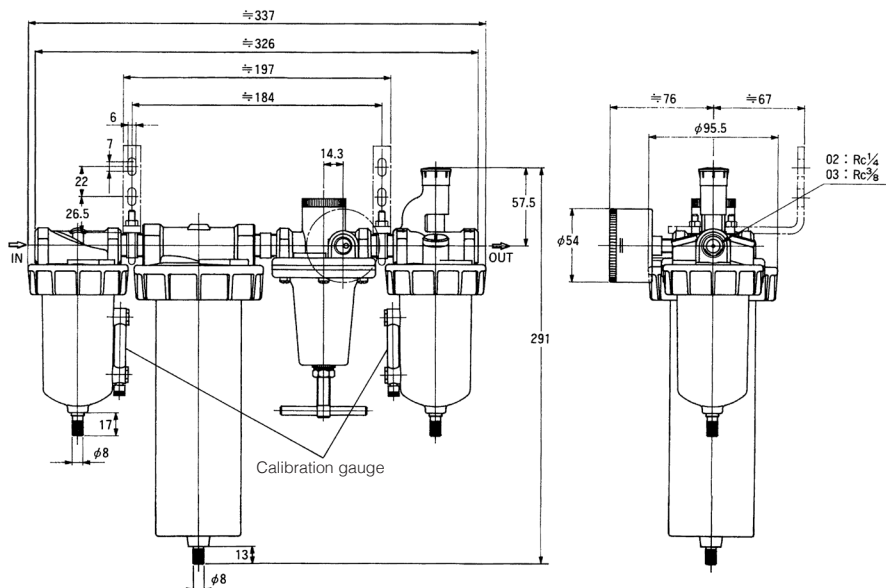


Drainmaster : S
(SA602SA)

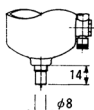


Spring drain : Y1
(SA602Y)

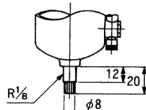
(Unit : mm)



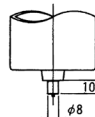
Drain type
(Sludge filter, Micro mist filter)



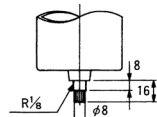
Spring drain : Y
(SA602Y)



Automatic drain : M
(SA602MD)

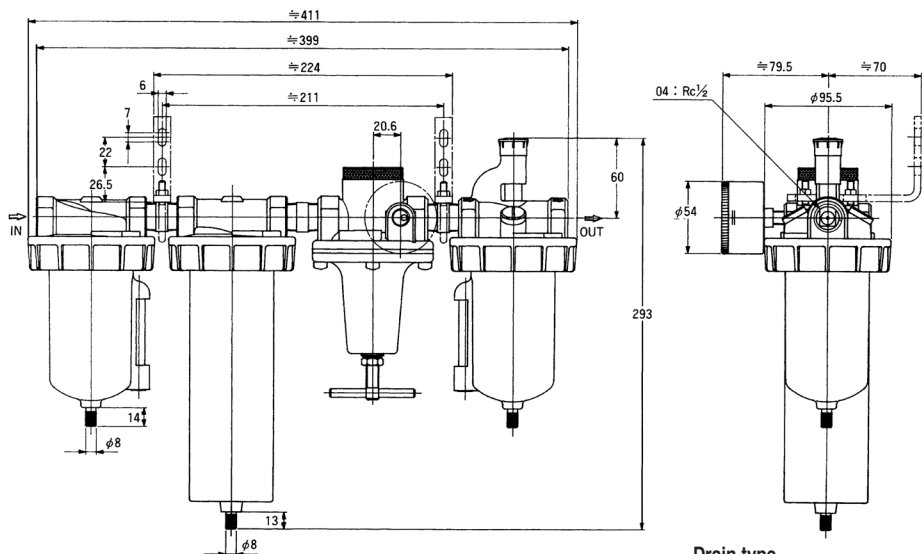


Spring drain :
(SA602Y)

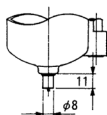


Automatic drain : M1
(SA602MD)

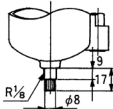
(Unit : mm)



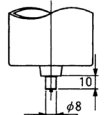
Drain type
(Sludge filter, Micro mist filter)



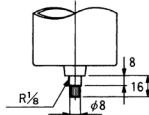
Spring drain : Y
(SA602Y)



Automatic drain : M
(SA602MD)



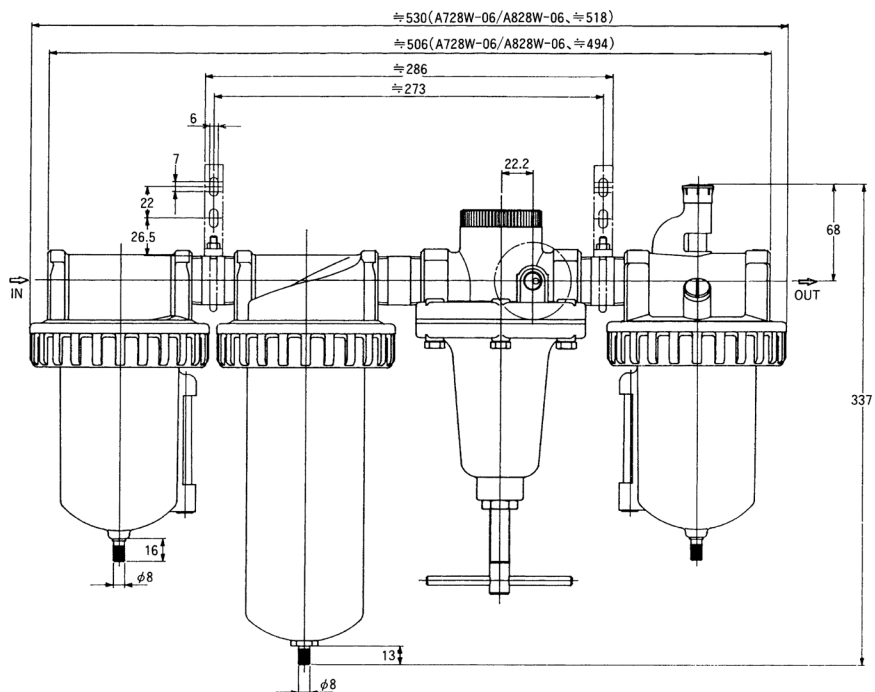
Spring drain : Y1
(SA602Y)



Automatic drain : M1
(SA602MD)

A728W-06, 08/A828W-06, 08

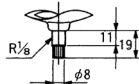
(Unit : mm)



Drain type (Air filter)

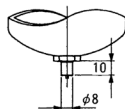


Spring drain : Y
(SA602Y)

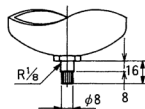


Automatic drain : M
(SA602MD)

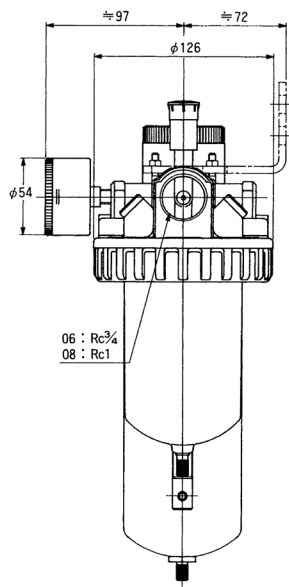
Drain type (Sludge filter, Micro mist filter)



Spring drain : Y1
(SA602Y)



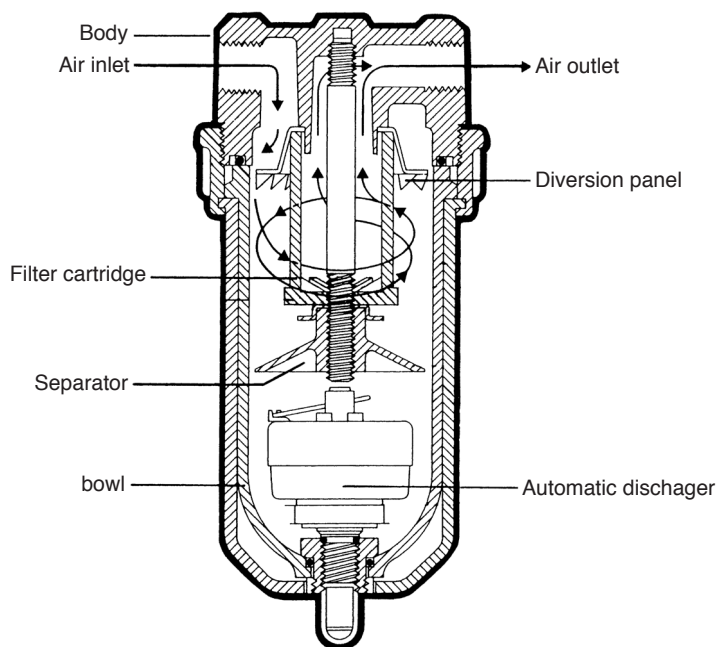
Automatic drain : M1
(SA602MD)



Air Filter

Made with highly efficacious centrifugal structure, its precision filtration elements can separate and remove water and impurities existing in compressed air and can provide an ideal filtering atmospheric environment. Its unique diversion structure allows air flowed through start revolving to even more effectively separate aerial liquids and filter solid particles. If operating the front end without using cleaning and filtration machine, impurities and water will enter the back-end machine which cause malfunction and damage.

When installation, note that the installation direction cannot be reversed. Install the air filter vertically with bowl facing down for the purpose of future repairing. Also remember to discharge water from the bowl, clean the bowl periodically, and change filter cartridge to ensure optimal performance.



Air Filter/F602

Standard type

- Diverse Port size choices to meet customers' need : Rc $\frac{1}{4}$ ~1.
- Eliminating water or oil droplets.
- Easy to use, convenient to repair.
- Diverse ways to discharge water: automatic drain, drainmaster, spring drain, manual water drain.

JIS Symbol



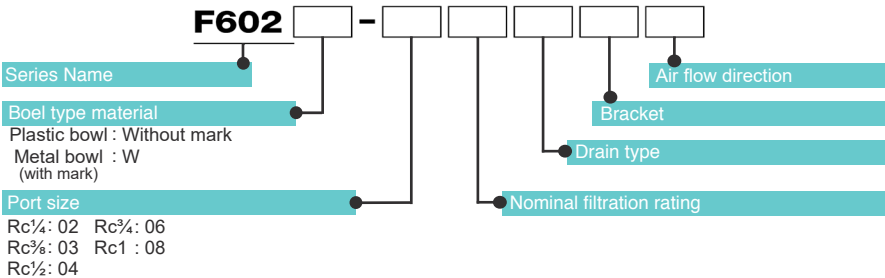
F602-02



F602-04

Specifications

Model No.		Unit	F602-02, 03	F602-04	F602-06, 08
Port size			Rc $\frac{1}{4}$, $\frac{3}{8}$	Rc $\frac{1}{2}$	Rc $\frac{3}{4}$, 1
Maximum operating pressure	Platic bowl	MPa[kgf/cm 2]	1 (10)		—
	Metal bowl (with mark)	MPa[kgf/cm 2]	1.2 (12)		1.2 (12)
Proof pressure	Platic bowl	MPa[kgf/cm 2]	1.5 (15)		—
	Metal bowl (with mark)	MPa[kgf/cm 2]	1.8 (18)		1.8 (18)
Operating temperature range	Platic bowl	°C	5~50		—
	Metal bowl (with mark)	°C	5~65		5~65
Nominal filtration rating		μ m	5 (Standard)		
Capacity of filter bowl		cc	60	90	180
Weight		kg	0.29	0.51	2.0



- 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.

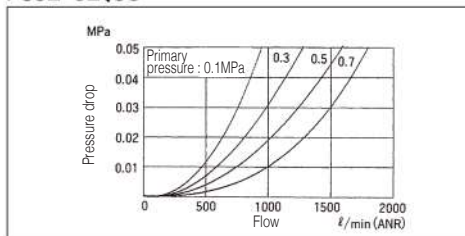
Option

Model No.		Mark	F602-02, 03, 04	F602W-02, 03, 04	F602W-06, 08
Bowl type material			Platic bowl	Metal bowl (with mark)	
Nominal filtration rating	5 μm	Without mark	◎		
	20 μm	N	○		
	40 μm	J	○		
Drain type	Manual	Without mark	◎	◎	
	Spring drain	Y	○	○	
	Automatic drain	M	○	○	
	Drainmaster	S	○	—	
Bracket	Standard	B	○		—
Air flow direction	Left to Right	Without mark	◎		
	Right to Left	R	○		

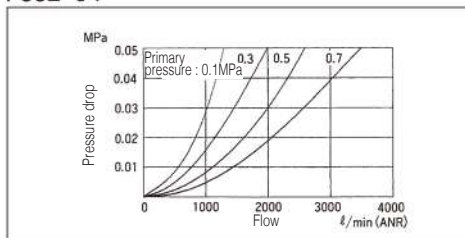
◎ Standard ○ Option

Flow characteristics

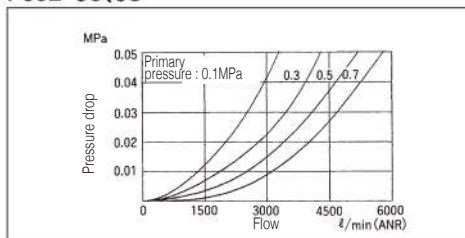
F602-02,03



F602-04

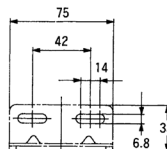
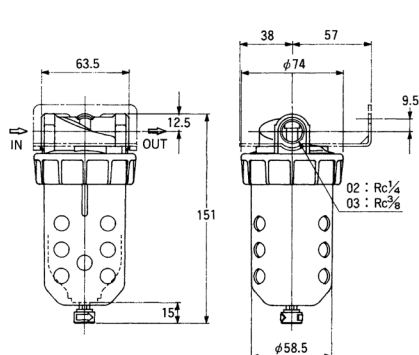


F602-06,08



F602-02, 03

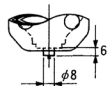
(Unit : mm)



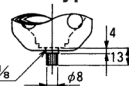
Bracket dimension

Standard bracket : B
(KWSAF602-0571)

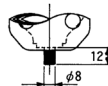
Drain type



Spring drain : Y
(SA602Y)



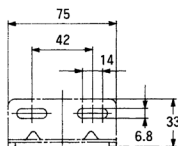
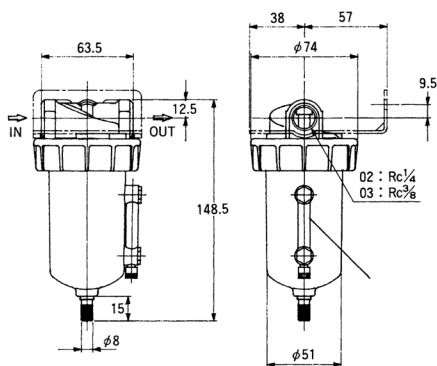
Automatic drain : M
(SA602MD)



Drainmaster : S
(SA602SY)

F602W-02, 03

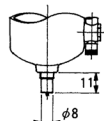
(Unit : mm)



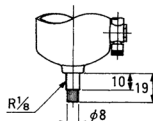
Bracket dimension

Standard bracket : B
(KWSAF602-0571)

Drain type



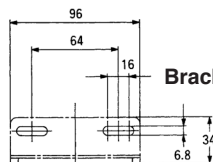
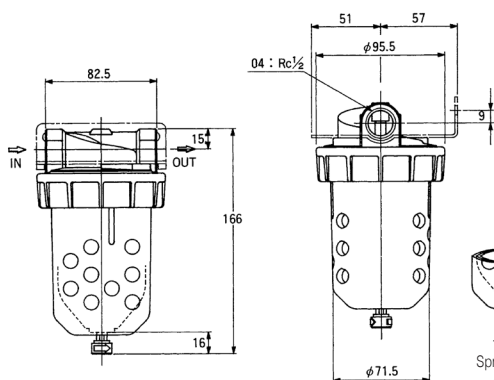
Spring drain : Y
(SA602Y)



Automatic drain : M
(SA602MD)

F602-04

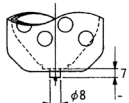
(Unit : mm)



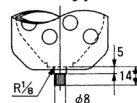
Bracket dimension

Standard bracket : B
(SAF602-0572)

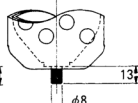
Drain type



Spring drain : Y
(SA602Y)



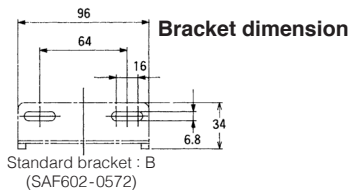
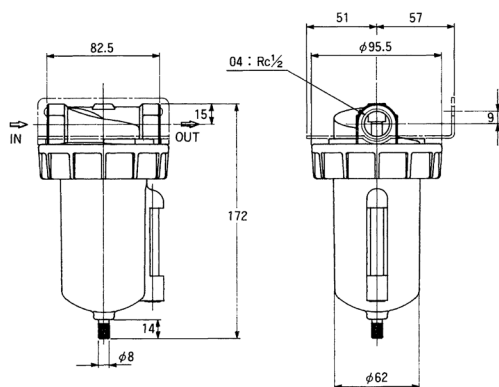
Automatic drain : M
(SA602MD)



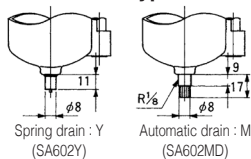
Drainmaster : S
(SA602SA)

F602W-04

(Unit : mm)

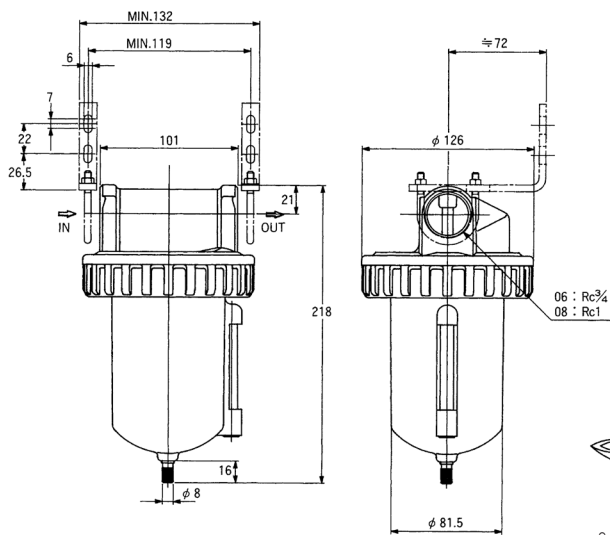


Drain type

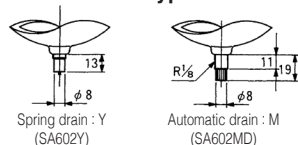


F602W-06, 08

(Unit : mm)

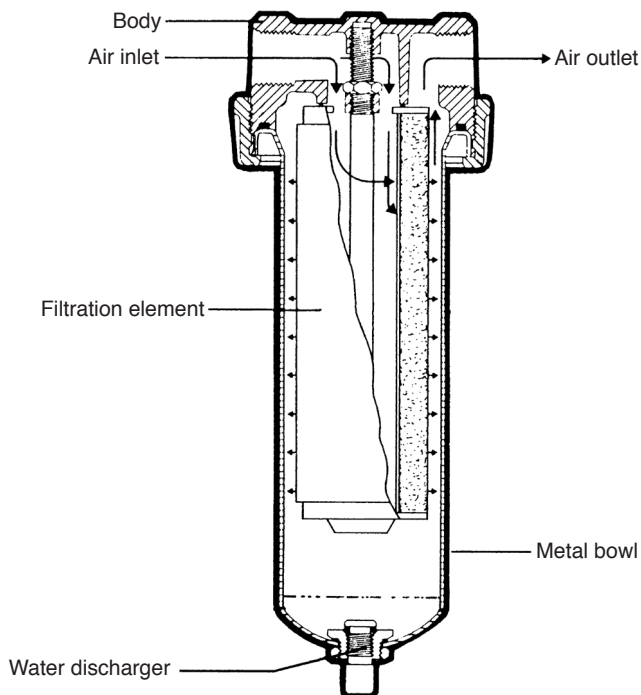


Drain type



Coalescing Filter, Sludge Filter, Precision Micro Mist Filter

The highly efficacious filter is made for air filtration and must be operated within a mirco mist free environment. White cellulose filter cartridge can minimize impurities including oil, micro mist, and external particles to 1um or less. A precision air filter is also available, which can support optimal efficacious performance eliminating water, oil larger than 0.1um size. A precision air filter can also rid of 99.99998% of microparticles in mist.



Coalescing Filter/H604

Standard type

- Nominal filtration rating 1µm.
- Easy to use, convenient to repair.
- Minimal pressure loss with high efficacy.
- Diverse ways to discharge water: automatic, drainmaster, spring drain, manual water drain.

JIS Symbol



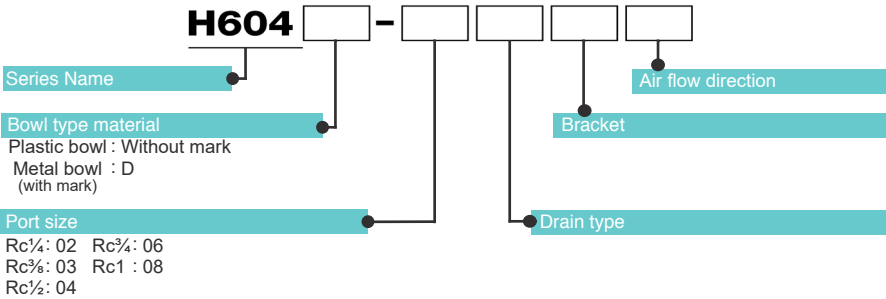
H604-02



H604D-06

Specifications

Model No.		Unit	H604-02, 03, 04	H604-06, 08
Port size			Rc¼, ¾, ½	Rc¾, 1
Maximum operating pressure	Platic bowl	MPa[kgf/cm ²]	1(10)	—
	Metal bowl(with mark)	MPa[kgf/cm ²]	1.4(14)	1.4(14)
Proof pressure	Platic bowl	MPa[kgf/cm ²]	1.5(15)	—
	Metal bowl(with mark)	MPa[kgf/cm ²]	2.1(21)	2.1(21)
Operating temperature range	Platic bowl	°C	5~50	—
	Metal bowl(with mark)	°C	5~65	5~65
Nominal filtration rating		µm	1	
Capacity of filter bowl		cc	60	250
Reference Max. Flow		l/min (ANR)	800	4000
Weight		kg	0.61	2.56



- 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.

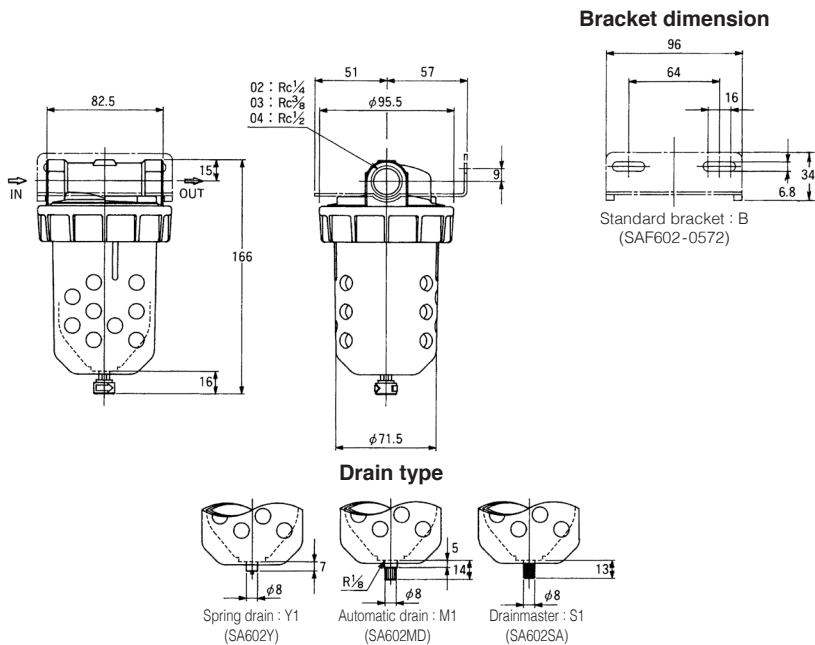
Option

Model No.		Mark	H604-02, 03, 04	H604D-02, 03, 04	H604D-06, 08
Bowl type material			Platic bowl	Metal bowl (with mark)	
Drain type	Manual	Without mark	⊙	⊙	
	Spring drain	Y1	○	○	
	Automatic drain	M1	○	○	
	Drainmaster	S1	○	—	
Bracket	Standard	B	○		—
Air flow direction	Left to Right	Without mark	⊙		
	Right to Left	R	○		

⊙ Standard ○ Option

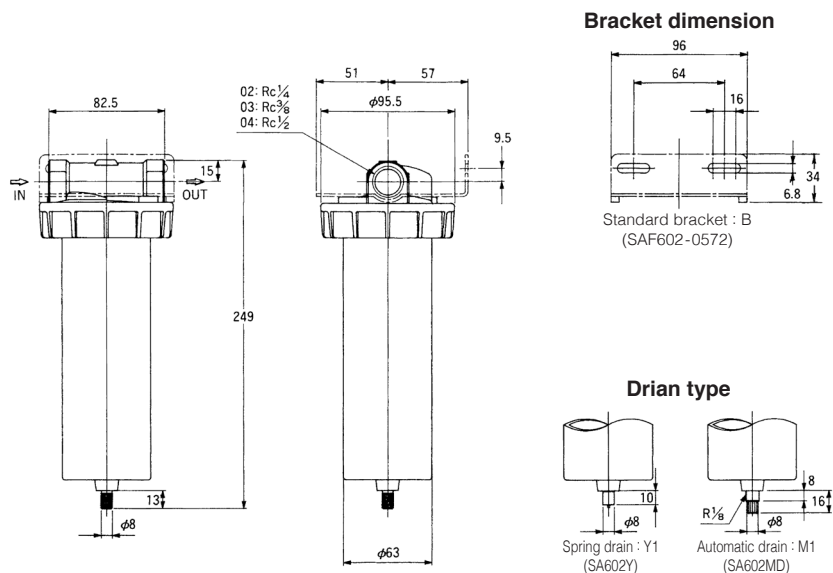
H604-02, 03, 04

(Unit : mm)



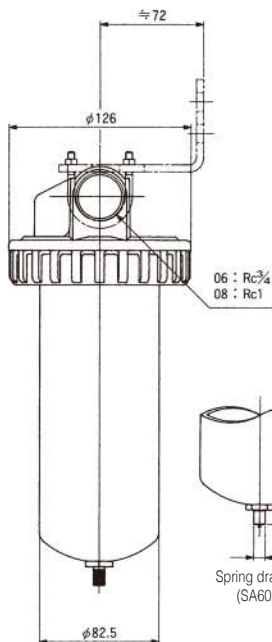
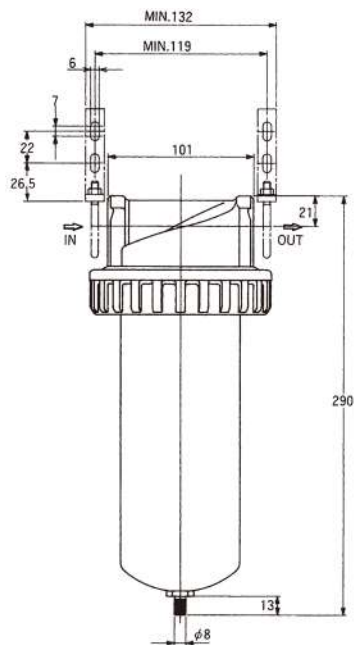
H604D-02, 03, 04

(Unit : mm)

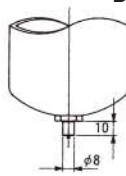
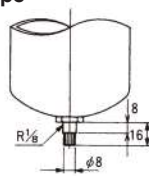


H604D-06, 08

(Unit : mm)



Drain type

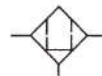
Spring drain : Y1
(SA602Y)Automatic drain : M1
(SA602MD)

Sludge Filter/S604

Standard type

- Nominal filtration rating 0.3μm .
- Easy to use, convenient to repair.
- Minimal pressure loss with high efficacy.
- Diverse ways to discharge water: automatic, drainmaster, spring drain, manual water drain.

JIS Symbol



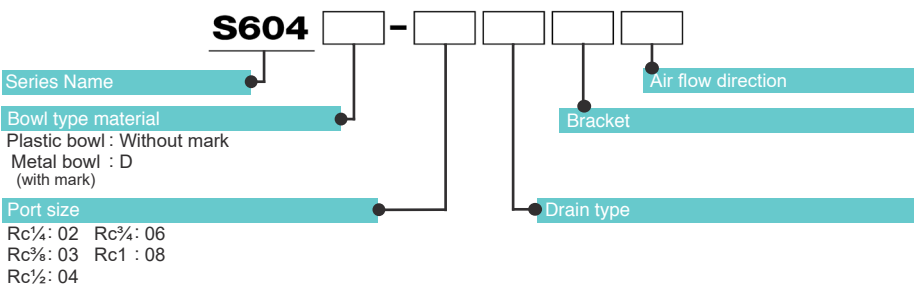
S604-02



S604D-06

Specifications

Model No.		Unit	S604-02, 03, 04	S604-06, 08
Port size			Rc $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$	Rc $\frac{3}{4}$, 1
Maximum operating pressure	Platic bowl	MPa[kgf/cm ²]	1 (10)	—
	Metal bowl (with mark)	MPa[kgf/cm ²]	1.4 (14)	1.4 (14)
Proof pressure	Platic bowl	MPa[kgf/cm ²]	1.5 (15)	—
	Metal bowl (with mark)	MPa[kgf/cm ²]	2.1 (21)	2.1 (21)
Operating temperature range	Platic bowl	°C	5~50	—
	Metal bowl (with mark)	°C	5~65	5~65
Nominal filtration rating		μm	0.3	
Capacity of filter bowl		cc	20	200
Reference Max. Flow	Standard	l/min (ANR)	750	3500
	Lengthened	l/min (ANR)	1500	—
Weight		kg	0.51	2.64



-
- 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.

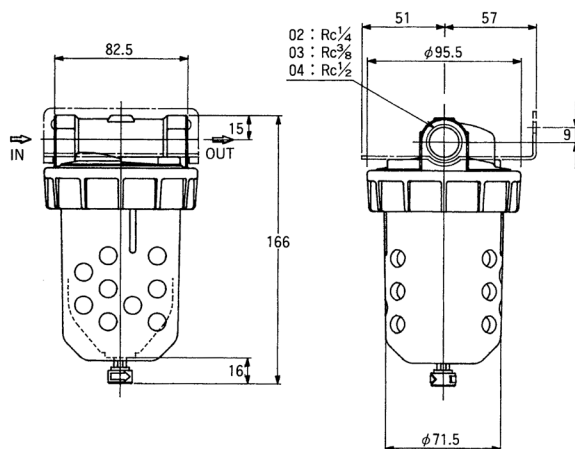
Option

Model No.		Mark	S604-02, 03, 04	S604D-02, 03, 04	S604DF-02, 03, 04	S604D-06, 08
Bowl type material			Platic bowl	Metal bowl(with mark)		
Drain type	Manual	Without mark	⊙	⊙		
	Spring drain	Y1	○	○		
	Automatic drain	M1	—	○		
	Drainmaster	S1	—	—		
Bracket	Standard	B	○			—
Air flow direction	Left to Right	Without mark	⊙			
	Right to Left	R	○			

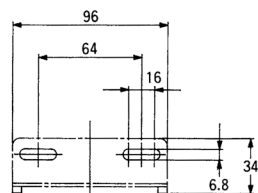
⊙ Standard ○ Option

S604-02, 03, 04

(Unit : mm)

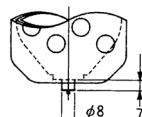


Bracket dimension



Standard bracket : B
(SAF602-0572)

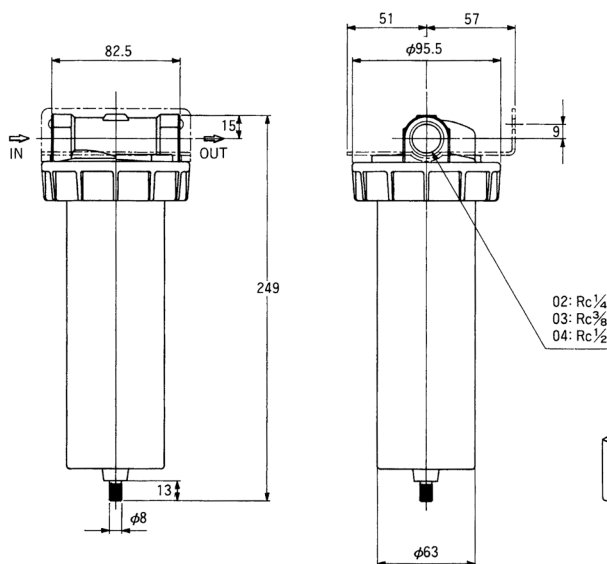
Drain type



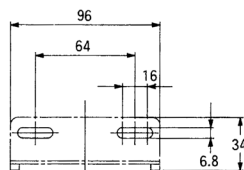
Spring drain : Y
(SA602Y)

S604D-02, 03, 04/S604DF-02, 03, 04

(Unit : mm)

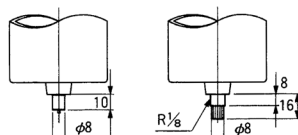


Bracket dimension



Standard bracket : B
(SAF602-0572)

Drain type

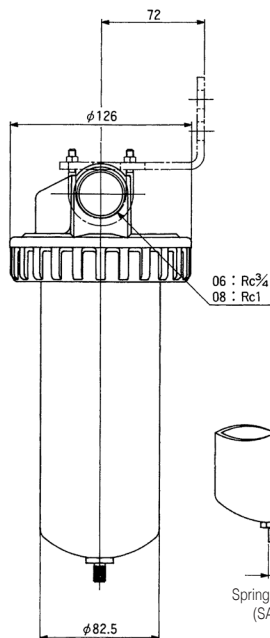
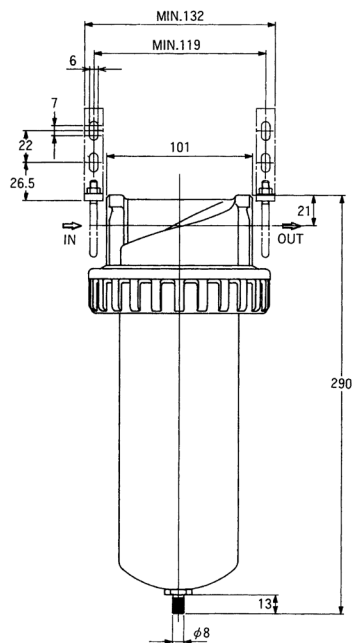


Spring drain : Y1
(SA602Y)

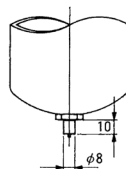
Automatic drain : M1
(SA602MD)

S604D-06, 08

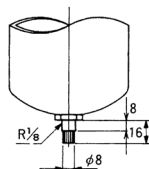
(Unit : mm)



Drain type



Spring drain : Y1
(SA602Y)



Automatic drain : M1
(SA602MD)

Precision Micro Mist Filter /M600

Standard type

- Nominal filtration rating 0.01μm.
- Capable of eliminating ultrafine particles, oil, water, and other solid impurities with high efficient to help prevent air compressor damages.
- Easy to use, convenient to repair.
- Minimal pressure loss with high efficacy.
- Diverse ways to discharge water: automatic drain, drainmaster, spring drain, manual water drain.

JIS Symbol



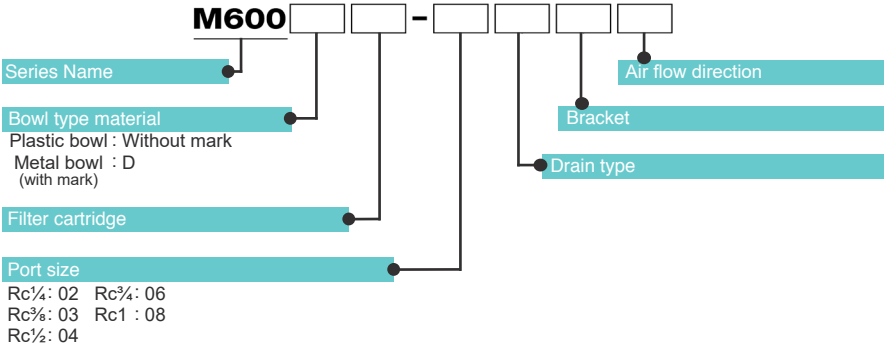
M600-02



M600D-06

Specifications

Model No.		Unit	M600-02, 03, 04	M600-06, 08
Port size			Rc¼, ¾, ½	Rc¾, 1
Maximum operating pressure	Platic bowl	MPa[kgf/cm ²]	1 (10)	—
	Metal bowl (with mark)	MPa[kgf/cm ²]	1.4 (14)	1.4 (14)
Proof pressure	Platic bowl	MPa[kgf/cm ²]	1.5 (15)	—
	Metal bowl (with mark)	MPa[kgf/cm ²]	2.1 (21)	2.1 (21)
Operating temperature range	Platic bowl	°C	5~50	—
	Metal bowl (with mark)	°C	5~65	5~65
Nominal filtration rating		μm	0.01	
Capacity of filter bowl		cc	80	220
Reference Max. Flow	Standard	l/min (ANR)	283	1415
	Lengthened	l/min (ANR)	566	—
Weight		kg	0.52	2.63





- 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.

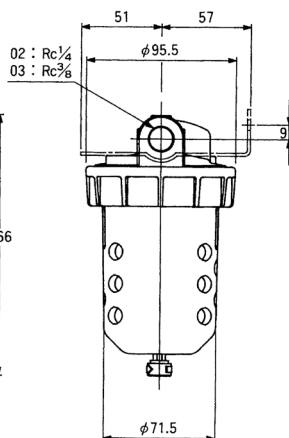
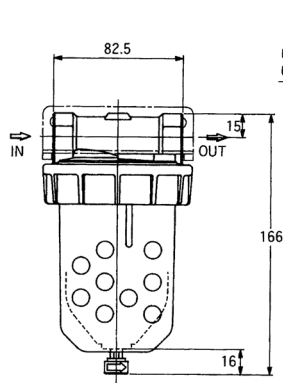
Option

Model No.		Mark	M600-02, 03	M600D-02, 03, 04	M600DF-02, 03, 04	M600D-06, 08
Bowl type material			Platic bowl	Metal bowl (with mark)		
Filter cartridgel			Standard		Lengthen	Standard
Drain type	Manual	Without mark	⊙	⊙		
	Spring drain	Y1	○	○		
	Automatic drain	M1	—	○		
Bracket	Standard	B	○			—
Air flow direction	Left to Right	Without mark	⊙			
	Right to Left	R	○			

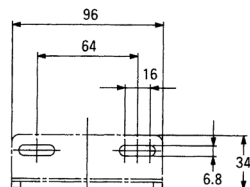
⊙ Standard ○ Option

M600-02, 03

(Unit : mm)

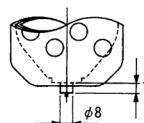


Bracket dimension



Standard bracket : B
(SAF602-0572)

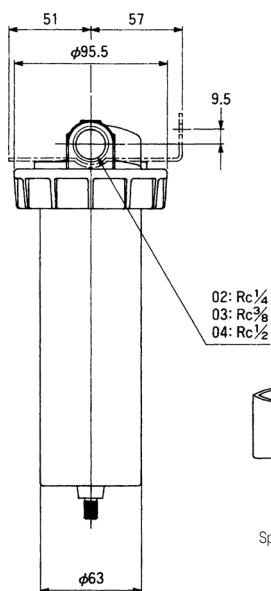
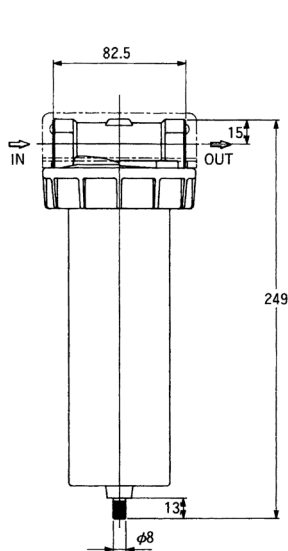
Drain type



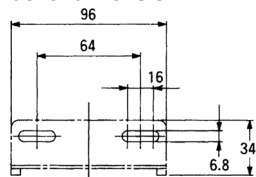
Spring drain : Y1
(SA602Y)

M600D-02, 03, 04/M600DF-02, 03, 04

(Unit : mm)

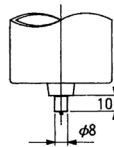


Bracket dimension

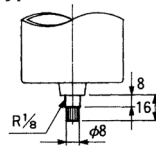


Standard bracket : B
(SAF602-0572)

Drain type



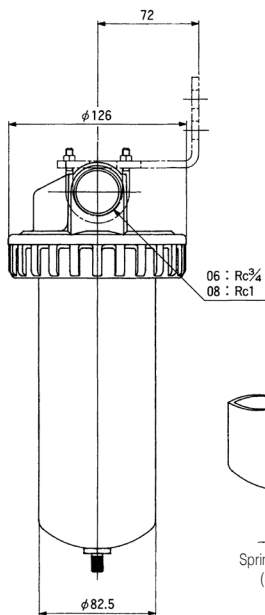
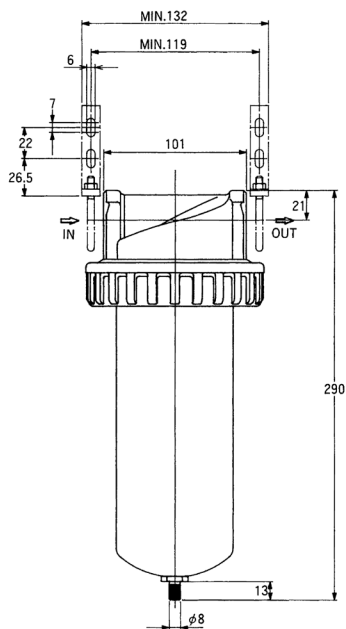
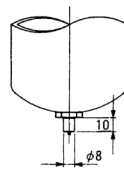
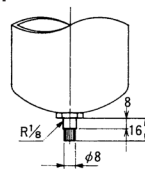
Spring drain : Y1
(SA602Y)



Automatic drain : M1
(SA602MD)

M600D-06, 08

(Unit : mm)

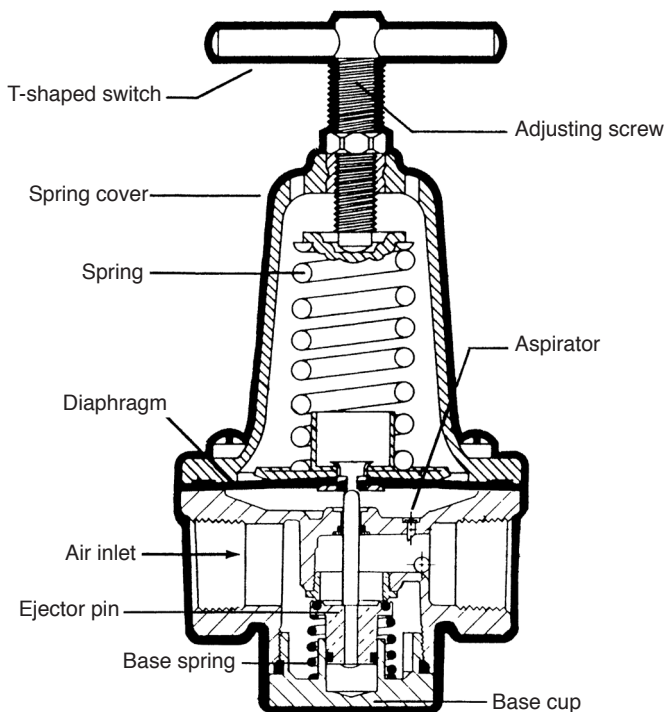
**Drain type**Spring drain : Y1
(SA602Y)Automatic drain : M1
(SA602MD)

Air Pressure Regulator

Designed to endure for the harshest environment with high capacity, sturdy and durable feature.

Size ranges from 1/4 inches to 2 inches.

Extremely suitable for clients with the need for high variance in pressure flow for installation. Pressure regulation structure utilizes balanced type design to provide great pressure characteristic and low allowable errors, as well as enhance pressure stability. With regard to the pressure regulator, secondary pressure should be set below 85% of the primary pressure to avoid instability caused by fluctuation in flows and primary pressure. In addition, locking nut is provided to fix pressure and mitigate pressure fluctuation caused by external factors.

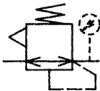


Air Pressure Regulator/R119

Standard type

- Wide range of Port size from Rc¼~2 to fit all customers' needs.
- Operating temperature range is very large.
- Designed to endure for the most harsh environment with sturdy and durable feature.

JIS Symbol



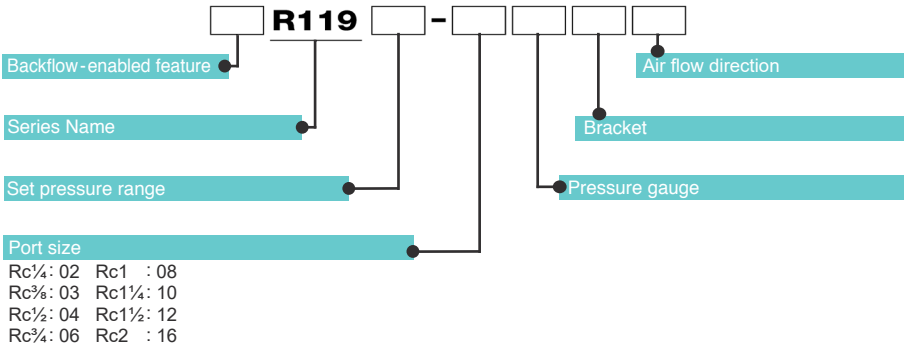
R119-03



R119-04

Specifications

Model No.	Unit	R119-02, 03	R119-04	R119-06, 08	R119-10, 12	R119-16	
Port size		Rc¼, ¾	Rc½	Rc¾, 1	Rc1¼, 1½	Rc2	
Maximum operating pressure	MPa[kgf/cm²]	1.4 (14)		1 (10)		1.4 (14)	
Proof pressure	MPa[kgf/cm²]	2.1 (21)		1.5 (15)		2.1 (21)	
Operating temperature range	℃	5~65					
Set pressure range	MPa[kgf/cm²]	0.02~0.75 (0.2~7.5) (standard)					0.03~0.75 (0.3~7.5) (standard)
Weight	kg	0.83	1.4	2.4	2.7	6.3	



• Please refer to symbol specification table and option table.

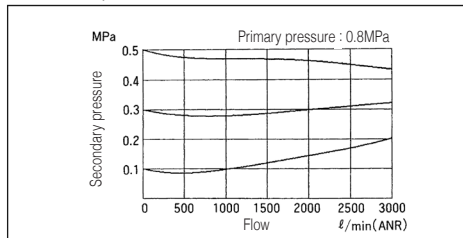
Option

Model No.		Mark	R119-02, 03	R119-04	R119-06, 08	R119-10, 12	R119-16
Pressure adjustment range	Standard pressure (0.02~0.75MPa)	Without mark	⊙		⊙		⊙
	High pressure (0.05~1.6MPa)	H	○		○		—
	Low pressure (0.01~0.4MPa)	L	○		—		—
Pressure relief mechanism	Pressure relief type	Without mark	⊙				⊙
Backflow-enabled feature	Standard	Without mark	⊙			⊙	
	Backflow-enabled	B	○			—	
Pressure gauge		G	○				
Bracket	Standard	B	○		○	○	—
	Mounting panel	P	○		—	—	—
Air flow direction	Left to Right	Without mark	⊙				
	Right to Left	R	○				

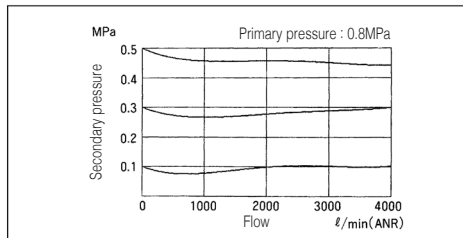
⊙ Standard ○ Option

Flow characteristics

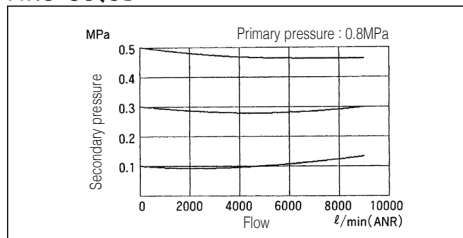
R119-02_03



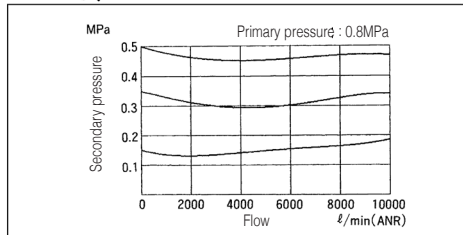
R119-04



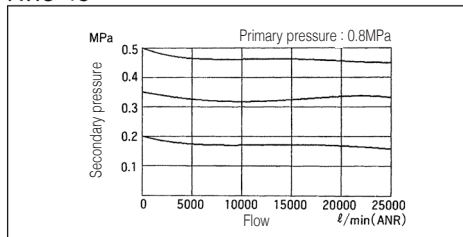
R119-06_08



R119-10_12

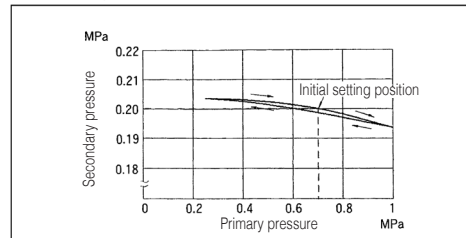


R119-16

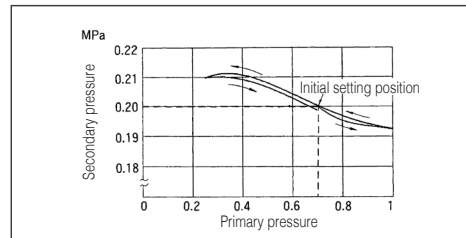


Pressure characteristics

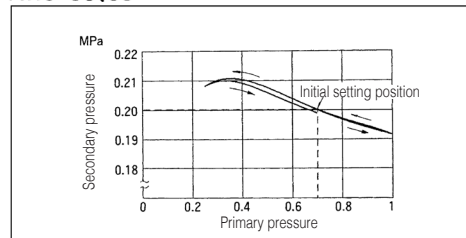
R119-02_03



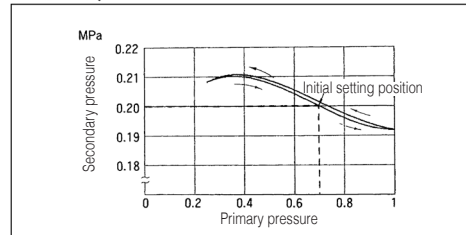
R119-04



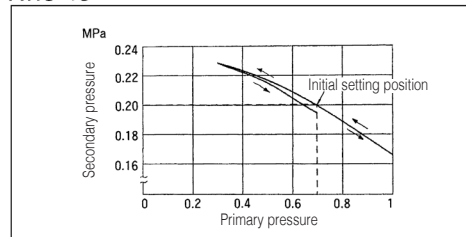
R119-06_08



R119-10_12

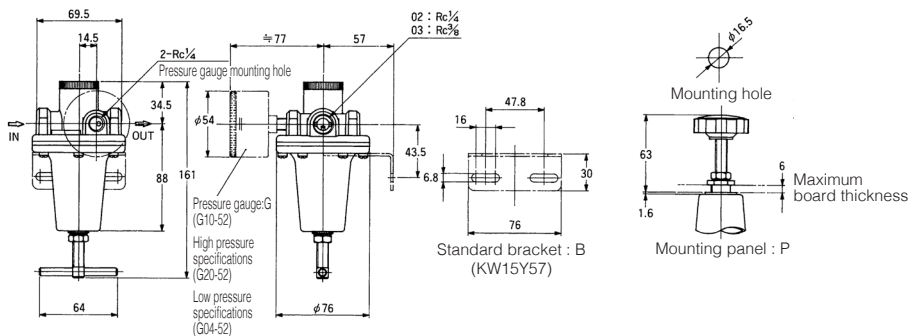


R119-16



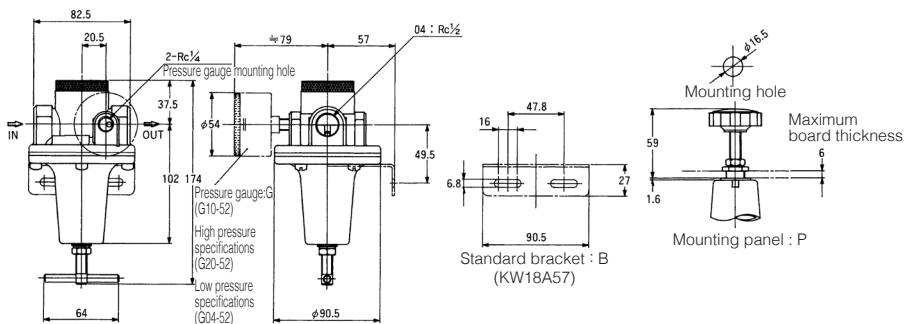
R119-02, 03

(Unit : mm)



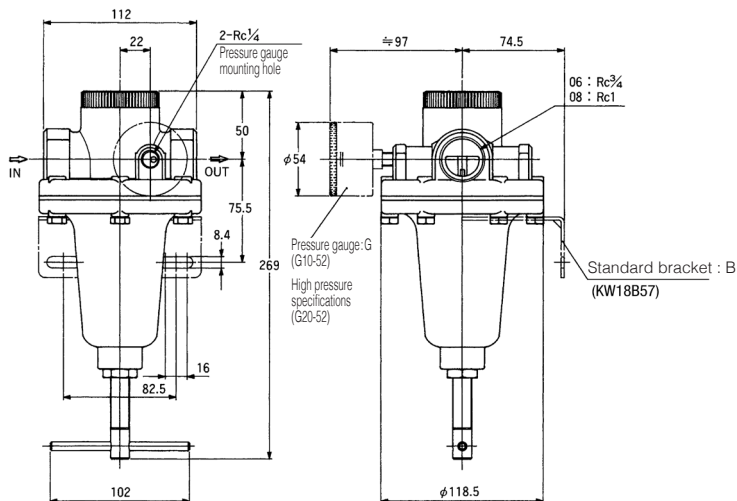
R119-04

(Unit : mm)



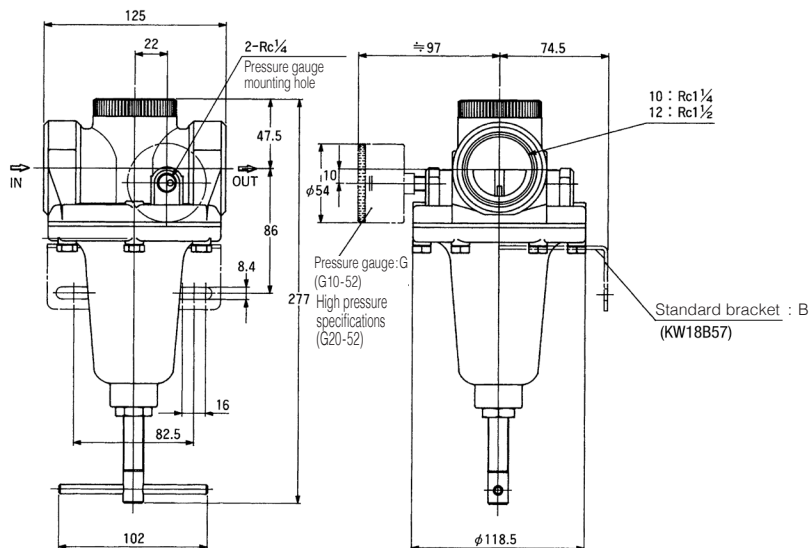
R119-06, 08

(Unit : mm)



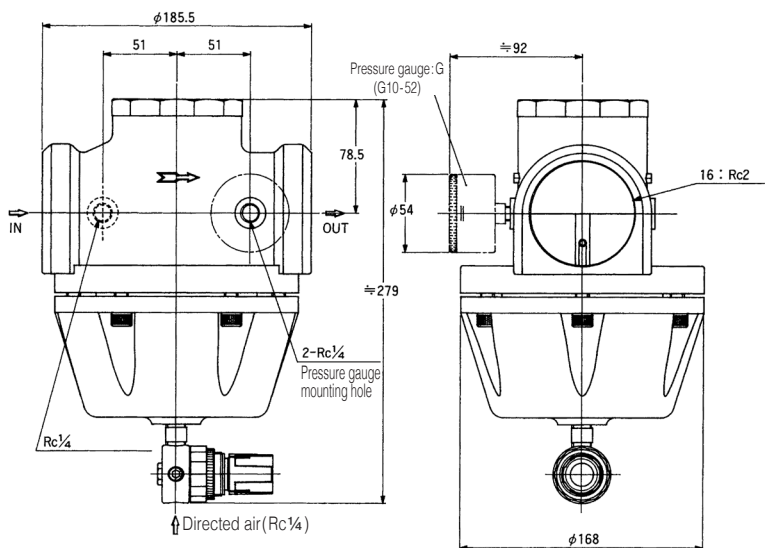
R119-10, 12

(Unit : mm)



R119-16

(Unit : mm)



Pilot Regulator/BR

Standard type

- Operating pilot pressure regulator via pilot pressure.
- Operating pilot pressure regulator via electro-pneumatic pressure regulator.

Feature

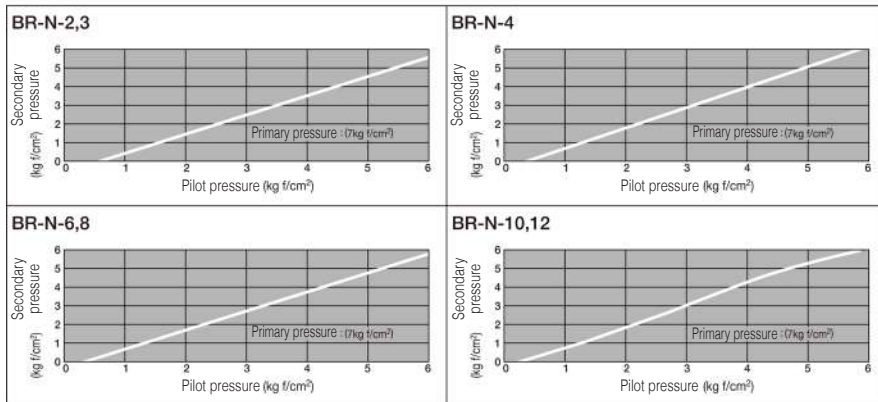
1. Support remote control, and can be used within explosion proof zone.
2. Bracket is provided by default.



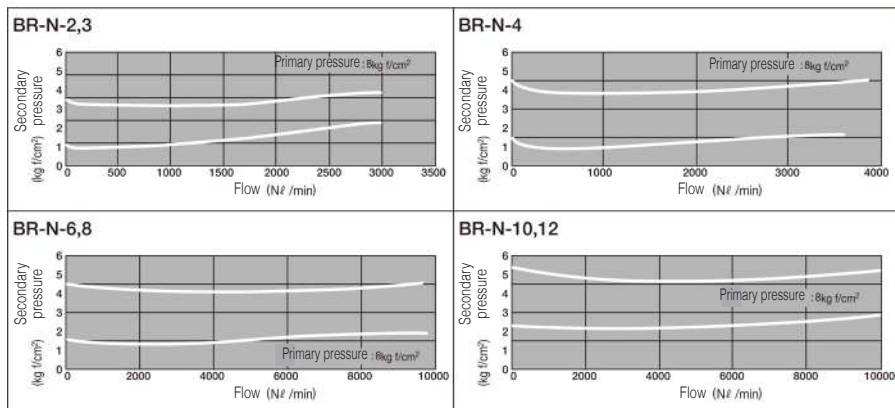
Specifications

Model No.	Unit	BR-N-2, 3	BR-N-4	BR-N-6, 8, 10, 12
Port size	PT	$\frac{1}{4}$, $\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$, 1, $1\frac{1}{4}$, $1\frac{1}{2}$
Pilot port size	PT	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{4}$
Pressure increment ratio		Please refer to the picture as follows.		
Maximum operating pressure	kgf/cm ²	21		
Pilot pressure	kgf/cm ²	9.9		
Operating temperature range	°C	5~50		

Pressure Increase Ratio



Flow characteristics

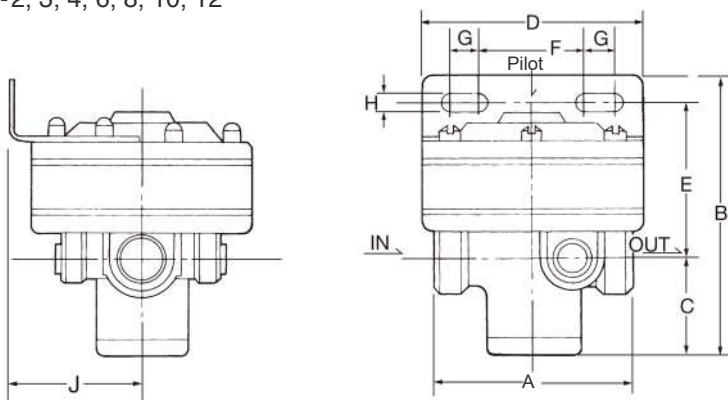


Dimensions

(Unit : mm)

	BR-N-2, 3	BR-N-4	BR-N-6, 8	BR-N-10, 12
A	69.5	82.5	112	125
B	105.7	115.2	155.2	162.7
C	34.5	37.5	50	57.5
D	76	90.5	119	119
E	61	67	94	94
F	31.8	31.8	66.5	66.5
G	16	16	16	16
H	6.8	6.8	8.4	8.4
J	57	57	74.5	74.5

BR-N-2, 3, 4, 6, 8, 10, 12

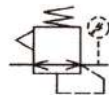


Air Pressure Regulator/R010,R011

Standard type

- Compact and large flow.
- Easy to use, convenient to repair.
- Very easy to operate, user-friendly pressure setting.

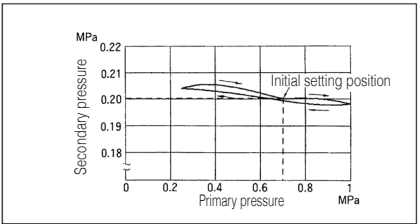
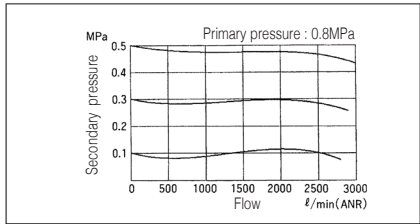
JIS Symbol

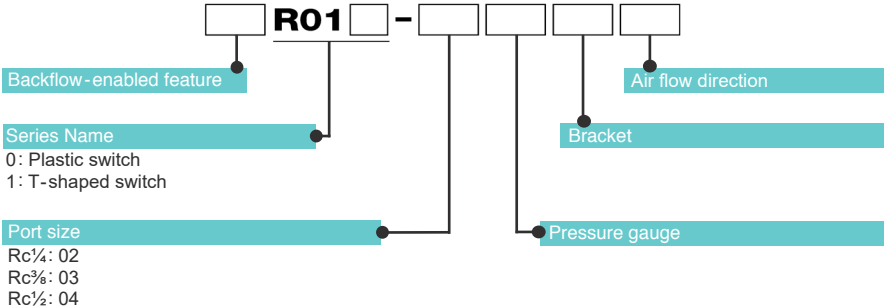


Specifications

Model No.	Unit	R010-02, 03, 04	R011-02, 03, 04
Port size		Rc1/4, 3/8, 1/2	Rc1/4, 3/8, 1/2
Maximum operating pressure	MPa[kgf/cm ²]	1 (10)	
Proof pressure	MPa[kgf/cm ²]	1.5 (15)	
Operating temperature range	°C	5~65	
Set pressure range	MPa[kgf/cm ²]	0.02~0.75 (0.2~7.5)	
Weight	kg	0.35	0.41

Flow characteristics





• Please refer to symbol specification table and option table.

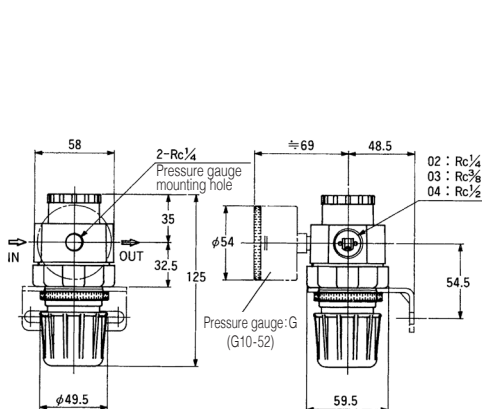
Option

Model No.		Mark	R010-02, 03, 04	R011-02, 03, 04
Set pressure range	Standard pressure (0.02~0.75MPa)	Without mark	⊙	
Backflow-enabled feature	Standard	Without mark	⊙	
	Backflow-enabled	B	○	
Pressure gauge		G	○	
Bracket	Standard	B	○	
	Mounting panel	A	○	
Air flow direction	Left to Right	Without mark	⊙	
	Right to Left	R	○	

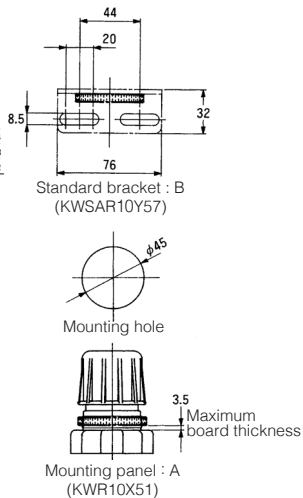
⊙ Standard ○ Option

R-010-02, 03, 04

(Unit : mm)

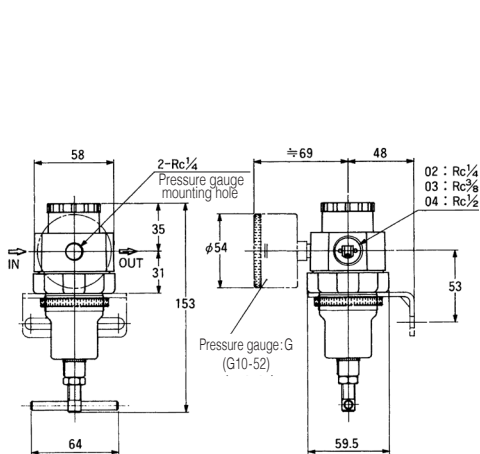


Bracket dimension

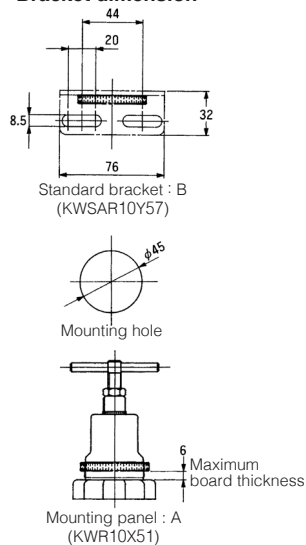


R011-02, 03, 04

(Unit : mm)



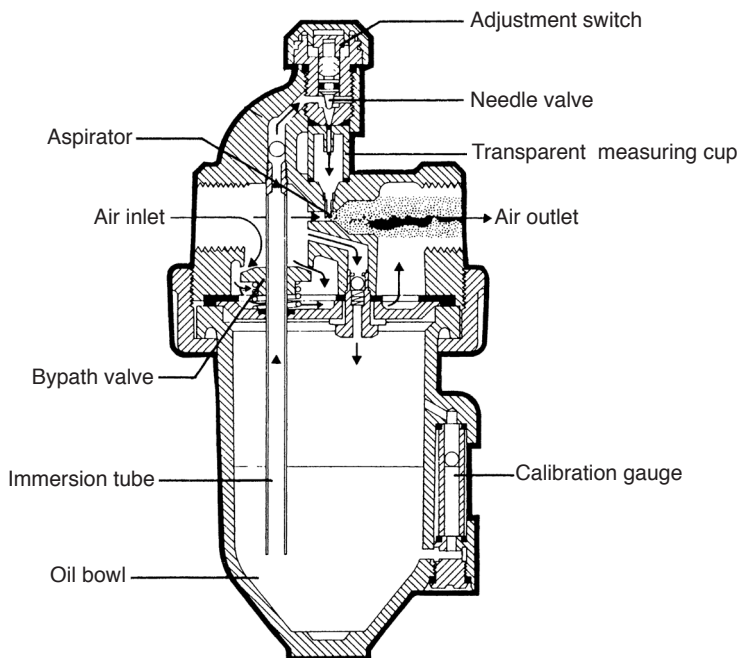
Bracket dimension



Air Lubricator

Standard air lubricator provides non-excess pressure drop and versatile functionalities. The oil bowl may be replenished when operating or under pressure. Using proper air lubricator can prolong life time of expensive back-end air machines.

How to select a correct air lubricator is dependent on the tubing size or bowl type material (plastic versus metal). Plastic bowl has the strength of transparency which is handfull for checking oil condition and its remaining amount. It is also important not to use air lubricator in environments with certain chemical exposure to avoid damages, ageing, and embrittlement.

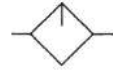


Air Lubricator/L606

Standard type

- Oil bowl with high capacity permit refuel without termination of air supply.
- Enhanced stability and reliability for oil feeding regulation.
- Easy for operation, installation, and repair.

JIS Symbol



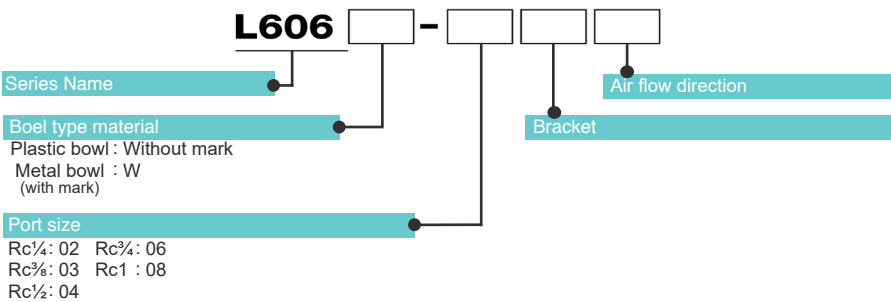
L606-02



L606-04

Specifications

Model No.		Unit	L606-02, 03	L606-04	L606-06, 08
Port size			Rc¼, ⅜	Rc½	Rc¾, 1
Maximum operating pressure	Platic bowl	MPa[kgf/cm ²]	1 (10)		—
	Metal bowl (with mark)	MPa[kgf/cm ²]	1.2 (12)		1.2 (12)
Proof pressure	Platic bowl	MPa[kgf/cm ²]	1.5 (15)		—
	Metal bowl (with mark)	MPa[kgf/cm ²]	1.8 (18)		1.8 (18)
Operating temperature range	Platic bowl	°C	5~50		—
	Metal bowl (with mark)	°C	5~65		5~65
Minimum dropping flow rate		l/min (ANR)	About 30		
Capacity of air lubricator bowl		cc	130	200	540
Recommended lubricant			(ISO VG32)		
Weight		kg	0.66	1.1	1.7



- 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 metalbowl (with mark).
- Please refer to symbol specification table and option table.

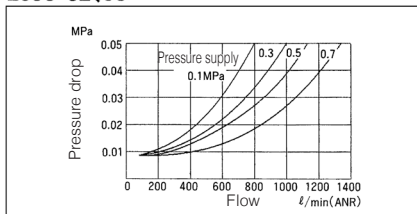
Option

Model No.		Mark	L606-02, 03, 04	L606W-02, 03, 04	L606W-06, 08
Bowl type material			Platic bowl	Metal bowl (with mark)	
Bracket	Standard	B	○		—
Air flow direction	Left to Right	Without mark	◎		
	Right to Left	R	○		

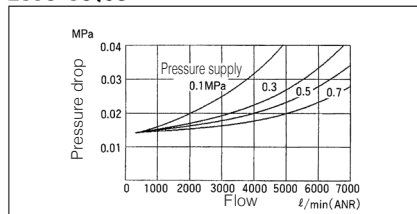
◎ Standard ○ Option

Flow characteristics

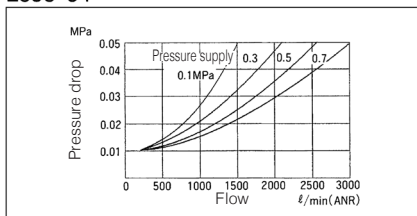
L606-02,03



L606-06,08



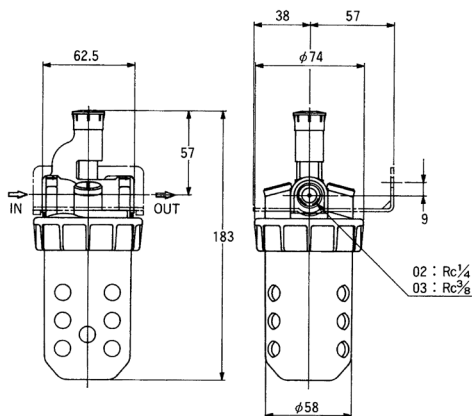
L606-04



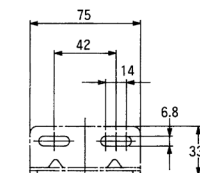
FR.L

L606-02, 03

(Unit : mm)



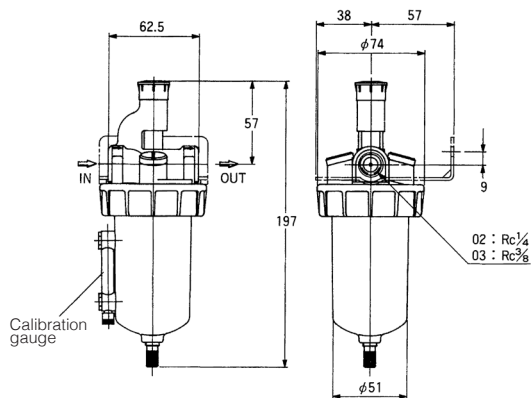
Bracket dimension



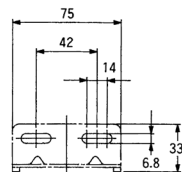
Standard bracket : B
(KWSAF602-0571)

L606W-02, 03

(Unit : mm)



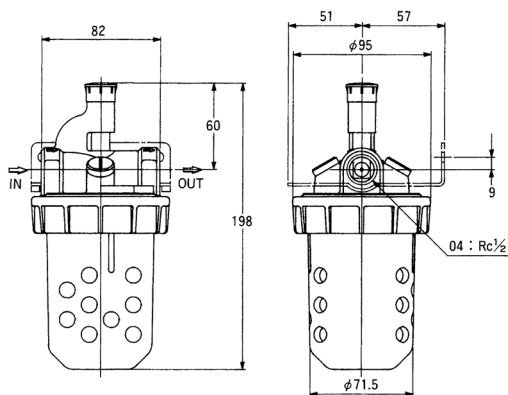
Bracket dimension



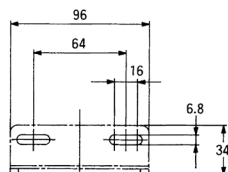
Standard bracket : B
(KWSAF602-0571)

L606-04

(Unit : mm)



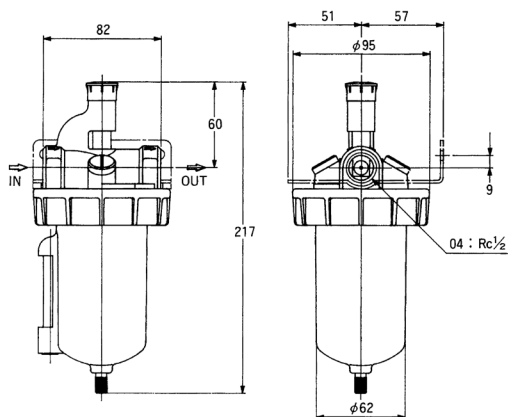
Bracket dimension



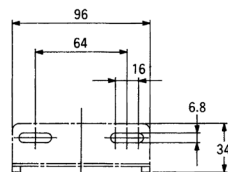
Standard bracket : B
(SAF602-0572)

L606W-04

(Unit : mm)



Bracket dimension

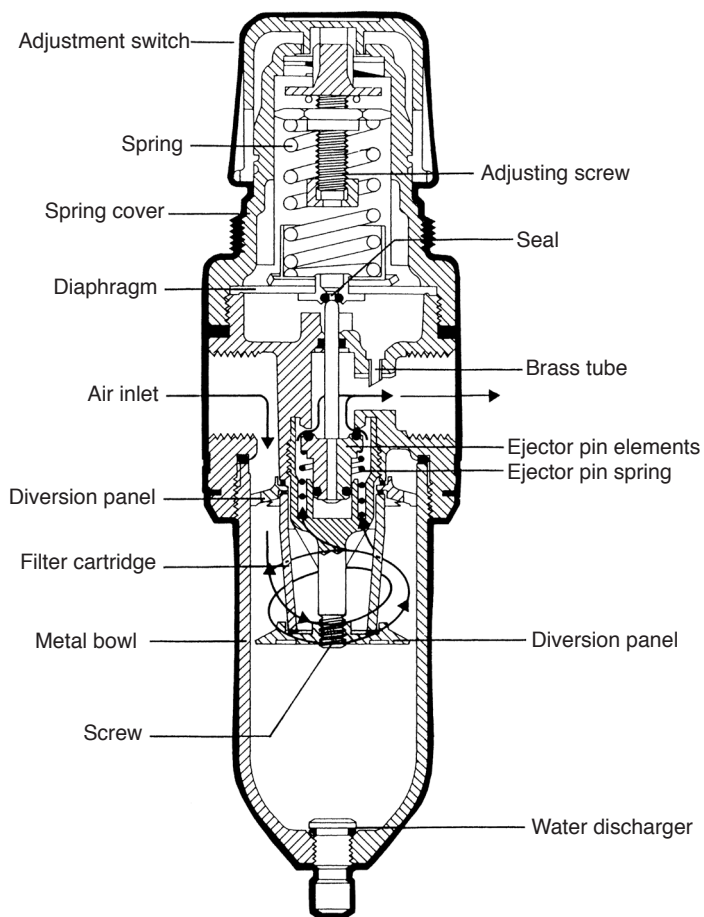


Standard bracket : B
(SAF602-0572)

(Unit : mm)



Integral Filter-Regulator

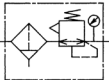


Integral Filter-Regulator/B011, B012

Standard type

- Equipped with ironclad, designed to endure high level of pressure and flow
- Easy for operation, installation, and repair.
- Diverse ways to discharge water: automatic drain, drainmaster, spring drain, manual water drain.

JIS Symbol



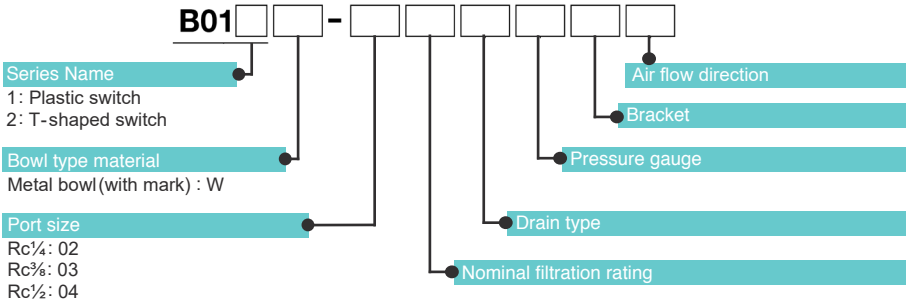
B011W-02



B012W-02

Specifications

Model No.		Unit	B011-02, 03, 04	B012-02, 03, 04
Port size			Rc ¼, ⅜, ½	Rc ¼, ⅜, ½
Maximum operating pressure	Metal bowl (with mark)	MPa[kgf/cm ²]	1.2(12)	
Proof pressure	Metal bowl (with mark)	MPa[kgf/cm ²]	1.8(18)	
Operating temperature range	Metal bowl (with mark)	°C	5~65	
Nominal filtration rating		μm	5	
Capacity of filter bowl		cc	40	
Set pressure range		MPa[kgf/cm ²]	0.02~0.75(0.2~7.5)	
Weight		kg	0.9	



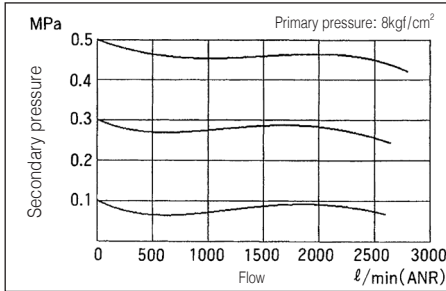
• Please refer to symbol specification table and option table.

Option

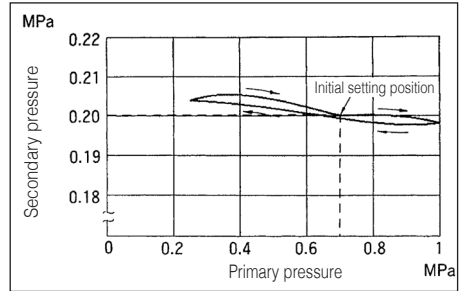
Model No.		Mark	B011W-02, 03, 04	B012W-02, 03, 04
Bowl type material			Platic bowl	Metal bowl (with mark)
Nominal filtration rating	5 μ m	Without mark	◎	
	20 μ m	N	○	
	40 μ m	J	○	
Drain type	Manual	Without mark	◎	
	Spring drain	Y	○	
	Automatic drain	M	○	
	Drainmaster	S	○	
Pressure gauge		G	○	
Bracket	Standard	B	○	
	Panel	A	○	
Air flow direction	Left to Right	Without mark	◎	
	Right to Left	R	○	

◎ Standard ○ Option

Flow characteristics

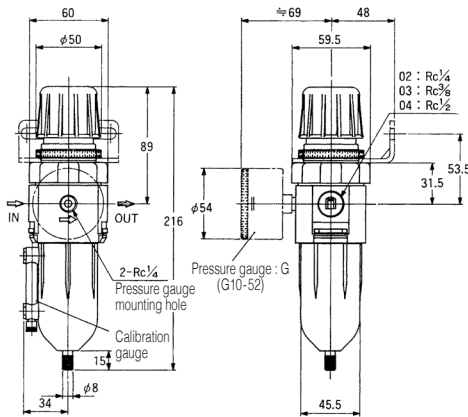


Pressure characteristics

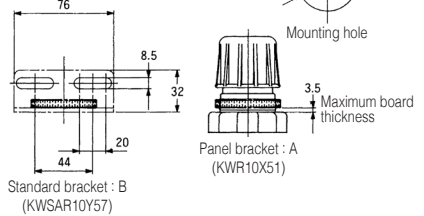


B011W-02, 03, 04

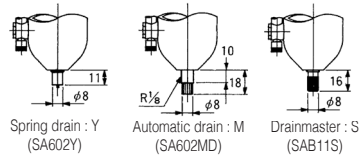
(Unit : mm)



Bracket dimension

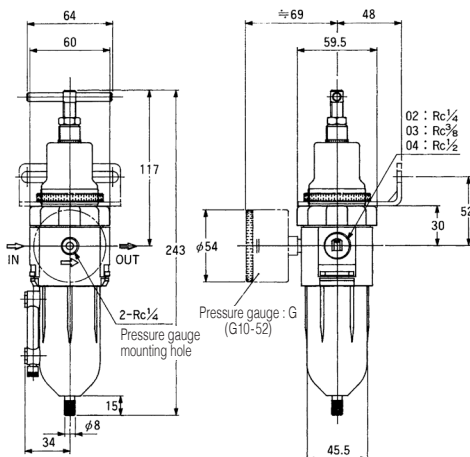


Drain type

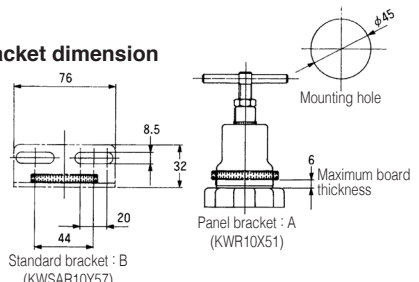


B012W-02, 03, 04

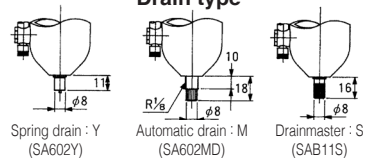
(Unit : mm)



Bracket dimension



Drain type

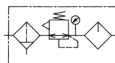


FRL Series/C528

Miniature
Air Filter + Air Pressure Regulator + Air Lubricator

- Small size with space-saving design
- Diverse ways to discharge water: automatic drain, drainmaster spring drain, manual water drain.

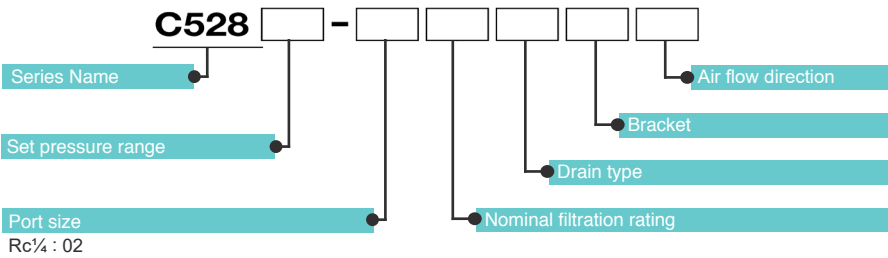
JIS Symbol



C528-02

Specifications

Model No.		Unit	C528-02
Port size			Rc1/4
Maximum operating pressure	Platic bowl	MPa[kgf/cm ²]	1 (10)
Proof pressure	Platic bowl	MPa[kgf/cm ²]	1.5 (15)
Operating temperature range	Platic bowl	°C	5~50
Nominal filtration rating		μm	20 (standard)
Capacity of filter bowl		cc	10
Set pressure range		MPa[kgf/cm ²]	0.02~0.75 (0.2~7.5) (standard)
Minimum dropping flow rate		l/min (ANR)	About 50
Capacity of Air lubricator bowl		cc	30
Recommended lubricant			(ISO VG32)
Components	Air filter		F504-02
	Air pressure regulator		R364-02
	Air lubricator		L508-02
Weight		kg	0.56



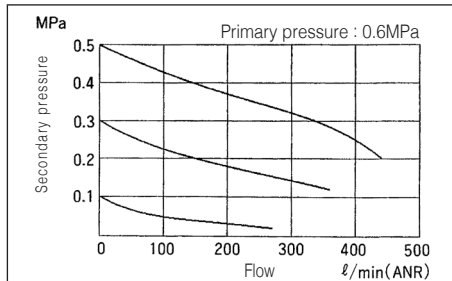
• Please refer to symbol specification table and option table.

Option

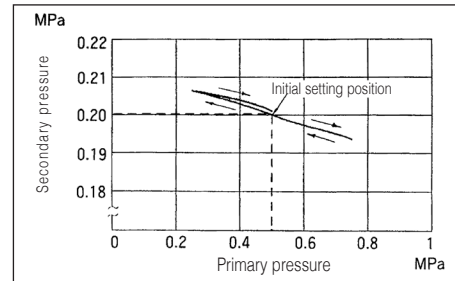
Model No.		Mark	C528-02
Bowl type material			Platic bowl
Pressure adjustment range	Standard pressure (0.02~0.75MPa)	Without mark	⊙
	Low pressure (0.01~0.3MPa)	L	○
Pressure relief mechanism	Pressure relief type	Without mark	⊙
Nominal filtration rating	5 µm	V	○
	20 µm	Without mark	⊙
Drain type	Manual	Without mark	⊙
	Spring drain	Y	○
	Drainmaster	S	○
Pressure gauge		G	⊙
Bracket	Standard	B	○
Air flow direction	Left to Right	Without mark	⊙
	Right to Left	R	○

⊙ Standard ○ Option

Flow characteristics

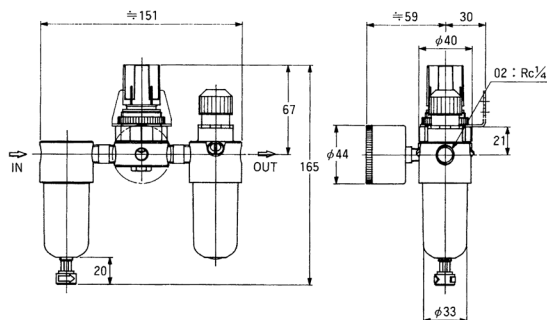


Pressure characteristics

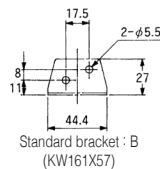


C528-02

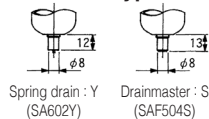
(Unit : mm)



Bracket dimension



Drain type

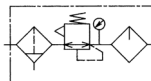


BL Series/U558

Miniature Integral Filter-Regulator + Air Lubricator

- Integral filter-regulator and filter are in a combination to save space.
- Easy for use and repair.
- Diverse ways to discharge water: automatic drain, drainmaster spring drain, manual water drain.

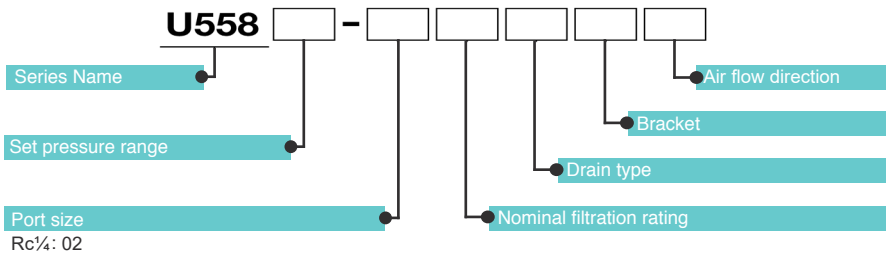
JIS Symbol



U558-02

Specifications

Model No.		Unit	U558-02
Port size			Rc1/4
Maximum operating pressure	Platic bowl	MPa[kgf/cm ²]	1 (10)
Proof pressure	Platic bowl	MPa[kgf/cm ²]	1.5 (15)
Operating temperature range	Platic bowl	°C	5~50
Nominal filtration rating		μm	20 (standard)
Capacity of filter bowl		cc	10
Set pressure range		MPa[kgf/cm ²]	0.02~0.75 (0.2~7.5) (standard)
Minimum dropping flow rate		l/min (ANR)	About 30
Capacity of Air lubricator bowl		cc	30
Recommended lubricant			(ISO VG32)
Components	Pressure regulator filter		B549-02
	Air lubricator		L508-02
Weight		kg	0.26



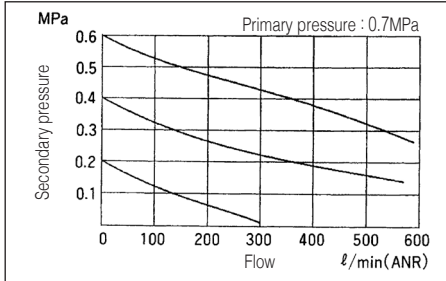
• Please refer to symbol specification table and option table.

Option

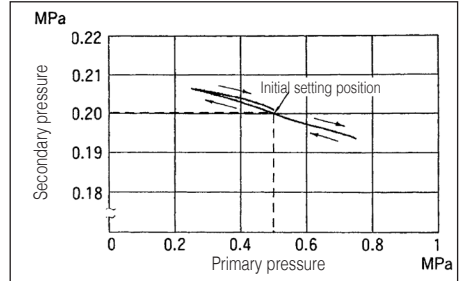
Model No.		Mark	U558-02
Bowl type material			Platic bowl
Set pressure range	Standard pressure (0.02~0.75MPa)	Without mark	⊙
	Low pressure (0.01~0.3MPa)	L	○
Pressure relief mechanism	Pressure relief type	Without mark	⊙
Nominal filtration rating	5 μm	V	○
	20 μm	Without mark	⊙
Drain type	Manual	Without mark	⊙
	Spring drain	Y	○
	Drainmaster	S	○
Pressure gauge		G	⊙
Bracket	Standard	B	○
Air flow direction	Left to Right	Without mark	⊙
	Right to Left	R	○

⊙ Standard ○ Option

Flow characteristics

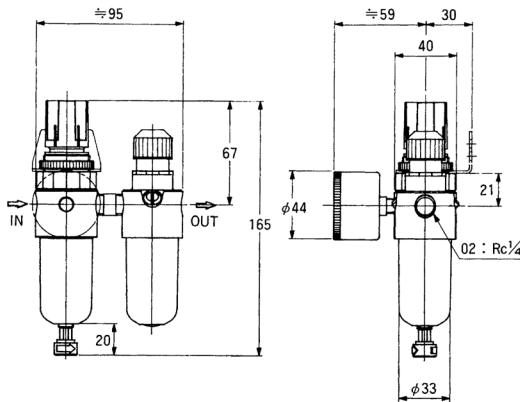


Pressure characteristics

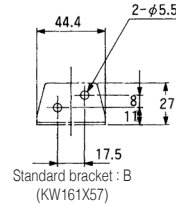


C558-02

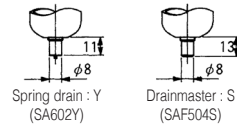
(Unit : mm)



Bracket dimension



Drain type

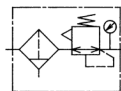


FR Series/U528

Miniature
Air Filter + Air Pressure Regulator

- Integration with filtration and pressure regulation. This product is ideal for cost saving if back-end machine does not need lubrication.
- Easy for use and repair.
- Diverse ways to discharge water: automatic drain, Drainmaster, spring drain, manual water drain.

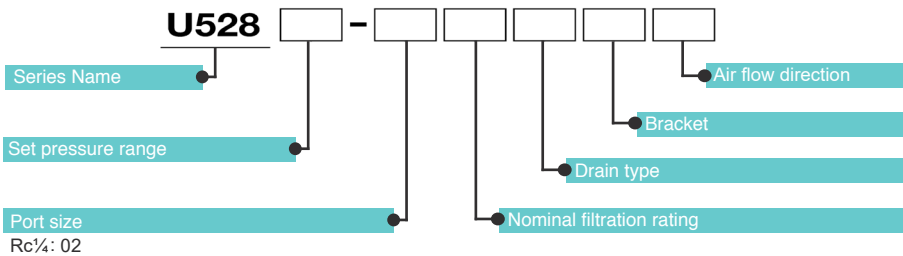
JIS Symbol



U528-02

Specifications

Model No.		Unit	U528-02
Port size			Rc1/4
Maximum operating pressure	Platic bowl	MPa[kgf/cm ²]	1(10)
Proof pressure	Platic bowl	MPa[kgf/cm ²]	1.5(15)
Operating temperature range	Platic bowl	°C	5~50
Nominal filtration rating		μm	20(standard)
Capacity of filter bowl		cc	10
Set pressure range		MPa[kgf/cm ²]	0.02~0.75(0.2~7.5)(standard)
Components	Air Filter		F504-02
	Air Pressure Regulator		R364-02
Weight		kg	0.43



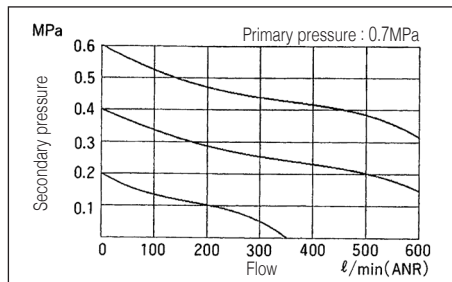
• Please refer to symbol specification table and option table.

Option

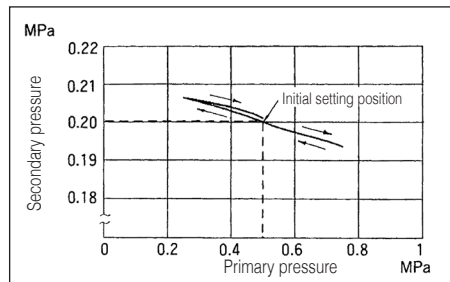
Model No.		Mark	U528-02
Bowl type material			Platic bowl
Set pressure range	Standard pressure (0.02~0.75MPa)	Without mark	⊙
	Low pressure (0.01~0.3MPa)	L	○
Pressure relief mechanism	Pressure relief type	Without mark	⊙
Nominal filtration rating	5 μm	V	○
	20 μm	Without mark	⊙
Drain type	Manual	Without mark	⊙
	Spring drain	Y	○
	Drainmaster	S	○
Pressure gauge		G	⊙
Bracket	Standard	B	○
Air flow direction	Left to Right	Without mark	⊙
	Right to Left	R	○

⊙ Standard ○ Option

Flow characteristics

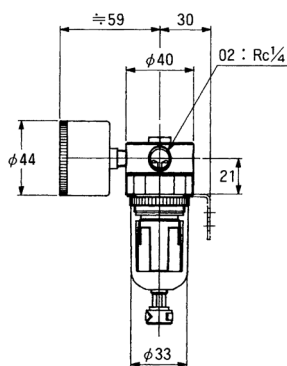
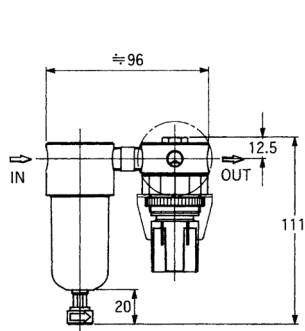


Pressure characteristics

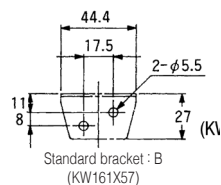


U528-02

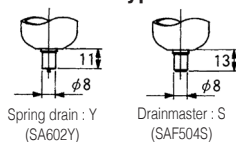
(Unit : mm)



Bracket dimension



Drain type



Air Filter/F504

Miniature

- Remove impurity from droplets.
- Easy for use and repair.
- Diverse ways to discharge water: automatic drain, drainmaster spring drain, manual water drain.

JIS Symbol

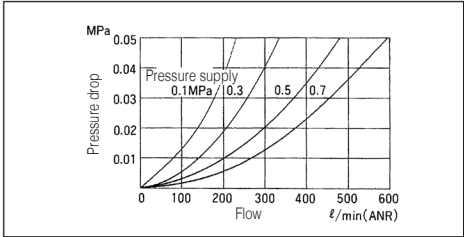


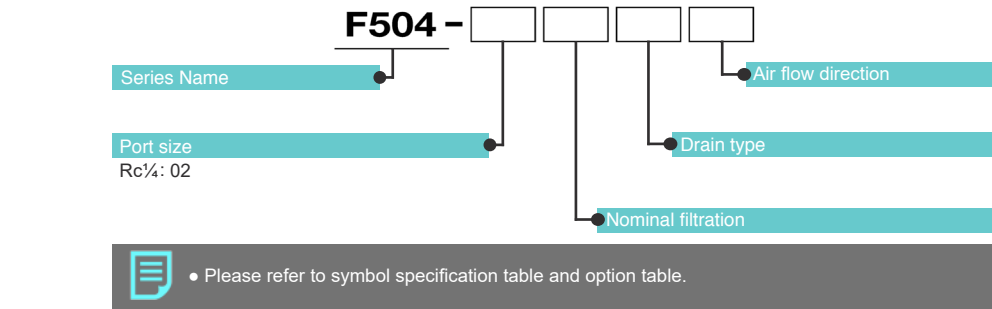
F504-02

Specifications

Model No.		Unit	F504-02
Port size			Rc1/4
Maximum operating pressure	Platic bowl	MPa[kgf/cm ²]	1 (10)
Proof pressure	Platic bowl	MPa[kgf/cm ²]	1.5 (15)
Operating temperature range	Platic bowl	°C	5~50
Nominal filtration rating		μm	20 (standard)
Capacity of filter bowl		cc	10
Weight		kg	0.22

Flow characteristics





Option

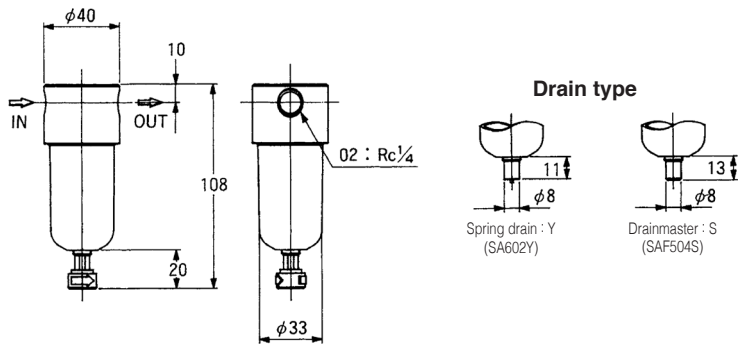
Model No.		Mark	U504-02
Bowl material			Platic bowl
Nominal filtration rating	5 μ m	V	
	20 μ m	Without mark	
Drain type	Manual	Without mark	
	Spring drain	Y	
	Drainmaster	S	
Air flow direction	Left to Right	Without mark	
	Right to Left	R	

Standard Option

Dimensions

(Unit : mm)

F504-02



Air Pressure Regulator/R364

Miniature

- Easy to operate via push-bar lock knob.
- Diverse choices for pressure change.
- Reversible option.
- Compact and easy for installation and repair.

JIS Symbol

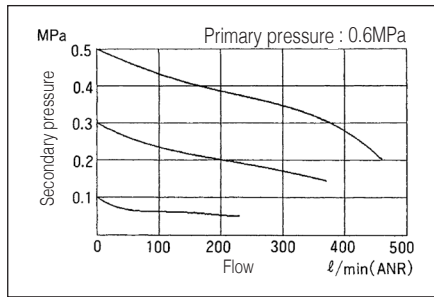


R364-02

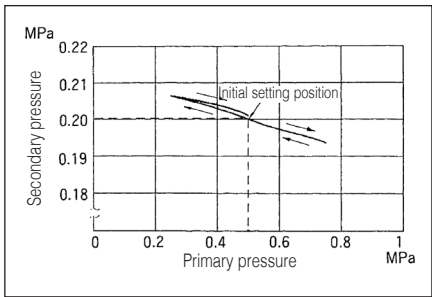
Specifications

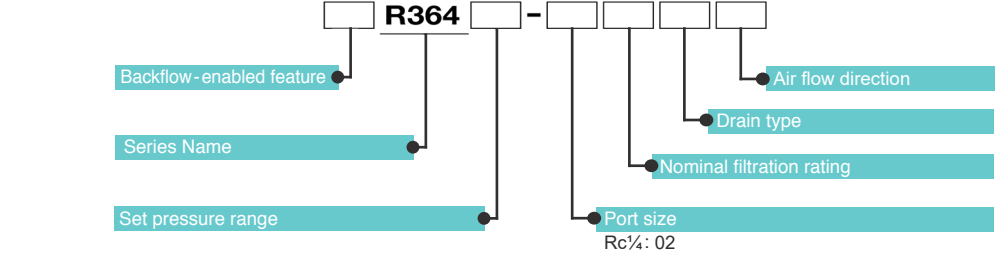
Model No.	Unit	R364-02
Port size		Rc $\frac{1}{4}$
Maximum operating pressure	MPa[kgf/cm 2]	1.4(14)
Proof pressure	MPa[kgf/cm 2]	2.1(21)
Operating temperature range	$^{\circ}$ C	5~65
Set pressure range	MPa[kgf/cm 2]	0.02~0.75(0.2~7.5)
Weight	kg	0.21

Flow characteristics



Pressure characteristics





• Please refer to symbol specification table and option table.

Option

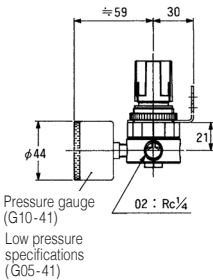
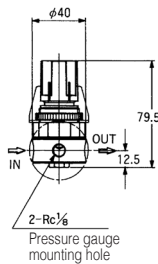
Model No.		Mark	R364-02
Set pressure range	Standard pressure (0.02~0.75MPa)	Without mark	⊙
	Low pressure (0.01~0.3MPa)	L	○
Pressure relief mechanism	Pressure relief type	Without mark	⊙
Backflow-enabled feature	Standard	Without mark	⊙
	Backflow - enabled	B	○
Pressure gauge		G	○
Bracket	Standard	B	○
	Mounting panel	A	○
Air flow direction	Left to Right	Without mark	⊙
	Right to Left	R	○

⊙ Standard ○ Option

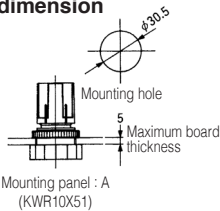
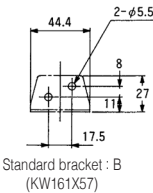
Dimensions

(Unit : mm)

R364-02



Bracket dimension



Air Lubricator/L508

Miniature

- Support air lubricating without turning off the air supply.
- Enhance stability and reliability for air lubricating.
- Easy for operation, installation, and repair.

JIS Symbol

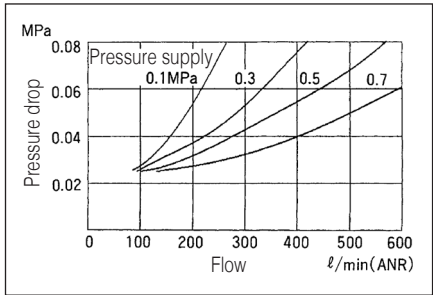


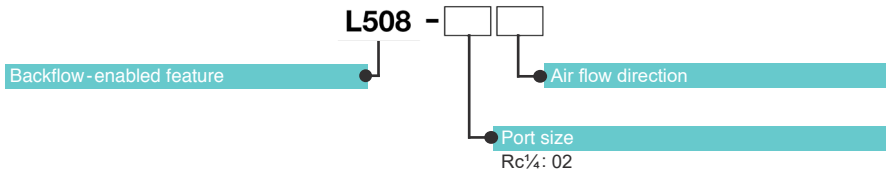
L508-02

Specifications

Model No.		Unit	L508-02
Port size			Rc1/4
Maximum operating pressure	Platic bowl	MPa[kgf/cm ²]	1 (10)
Proof pressure	Platic bowl	MPa[kgf/cm ²]	1.5 (15)
Operating temperature range	Platic bowl	°C	5~50
Minimum dropping flow rate		l/min (ANR)	About 30
Capacity of Air lubricator bowl		cc	30
Recommended lubricant			(ISO VG32)
Weight		kg	0.13

Flow characteristics





• Please refer to symbol specification table and option table.

Option

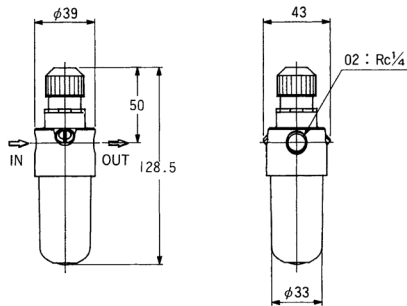
Model No.		Mark	L508-02
Bowl material			Platic bowl
Air flow direction	Left to Right	Without mark	⊙
	Right to Left	R	○

⊙ Standard ○ Option

Dimensions

(Unit : mm)

L508-02

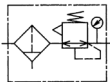


Integral Filter-Regulator/B549

Miniature

- Compact and easy for installation and repair.
- Diverse ways to discharge water: automatic drain, drainmaster spring drain manual water drain.

JIS Symbol

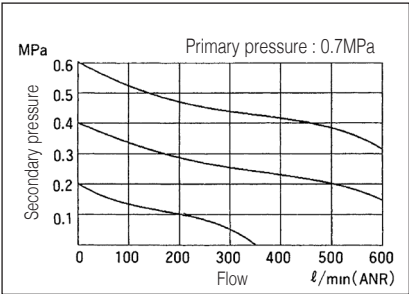


B549-02

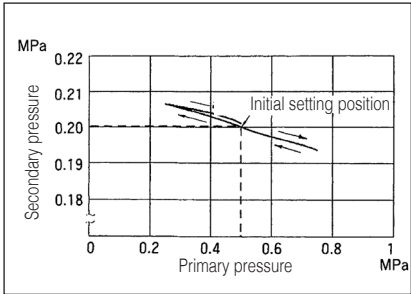
Specifications

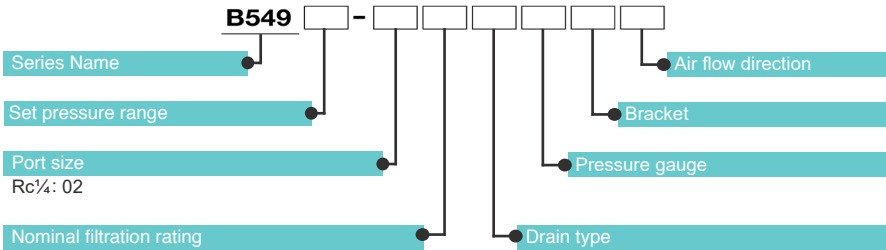
Model No.		Unit	B549-02
Port size			Rc1/4
Maximum operating pressure	Platic bowl	MPa[kgf/cm ²]	1 (10)
Proof pressure	Platic bowl	MPa[kgf/cm ²]	1.5 (15)
Operating temperature range	Platic bowl	°C	5~50
Nominal filtration rating		μm	20 (standard)
Capacity of filter bowl		cc	10
Set pressure range		MPa[kgf/cm ²]	0.02~0.75 (0.2~7.5) (standard)
Weight		kg	0.56

Flow characteristics



Pressure characteristics





• Please refer to symbol specification table and option table.

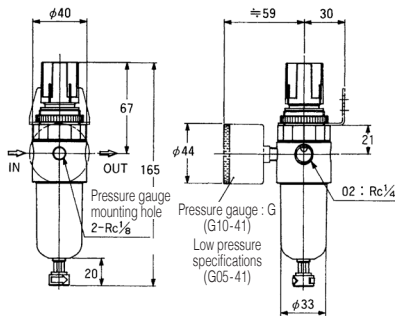
Option

Model No.		Mark	B549-02
Bowl type material			Platic bowl
Set pressure range	Standard pressure (0.02~0.75MPa)	Without mark	⊙
	Low pressure (0.01~0.3MPa)	L	○
Pressure relief mechanism	Pressure relief type	Without mark	⊙
Nominal filtration rating	5 μm	V	○
	20 μm	Without mark	⊙
Drain type	Manual	Without mark	⊙
	Spring drain	Y	○
	Drainmaster	S	○
Pressure gauge		G	○
Bracket	Standard	B	○
	Mounting panel	A	○
Air flow direction	Left to Right	Without mark	⊙
	Right to Left	R	○

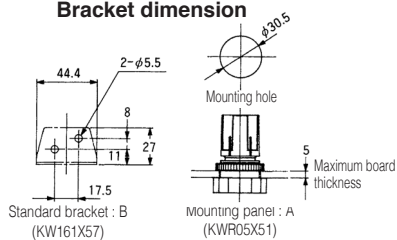
⊙ Standard ○ Option

B549-02

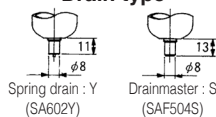
(Unit : mm)



Bracket dimension



Drain type

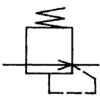


Aqua Pressure Regulator/W361

Miniature

- Aqua pressure regulator
- Enduring miniature aqua pressure regulator with long life.
- Diverse choices for pressure change.
- Easy for installation and repair.

JIS Symbol

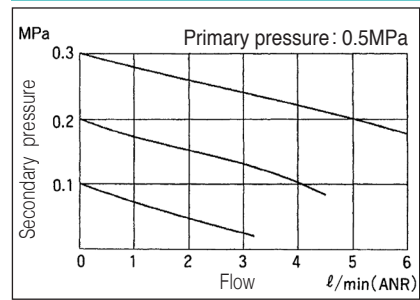


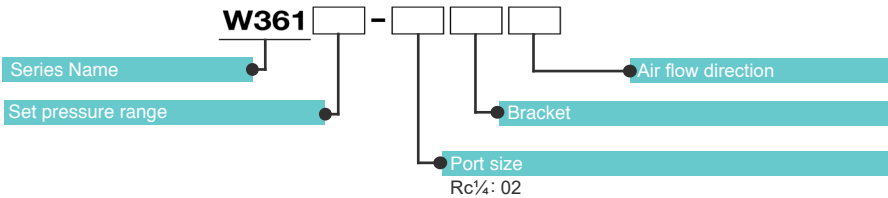
W361-02

Specifications

Model No.	Unit	W361-02
Port size		Rc¼
Maximum operating pressure	MPa[kgf/cm ²]	1.4 (14)
Proof pressure	MPa[kgf/cm ²]	2.1 (21)
Operating temperature range	°C	5~65
Set pressure range	MPa[kgf/cm ²]	0.02~0.75 (0.2~7.5)
Weight	kg	0.22

Flow characteristics





 • Please refer to symbol specification table and option table.

Option

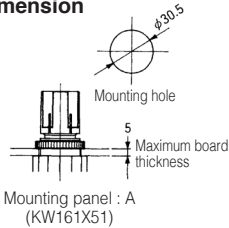
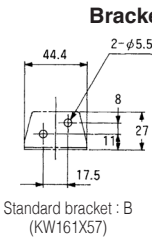
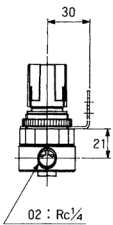
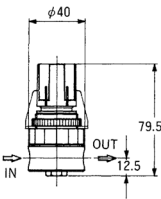
Model No.		Mark	W361-02
Set pressure range	Standard pressure (0.02~0.75MPa)	Without mark	⊙
	Low pressure (0.01~0.3MPa)	L	○
Bracket	Standard	B	○
	Mounting panel	A	○
Air flow direction	Left to Right	Without mark	⊙
	Right to Left	R	○

⊙ Standard ○ Option

Dimensions

(Unit : mm)

W361-02



Pressure Relief Valve/P130, P300

- Simple pressure relief valve
- User-friendly pressure setting
- Very easy to operate. Pressure relief flow can be controlled via the plastic switch and the T-shaped switch.

JIS Symbol



P130-02

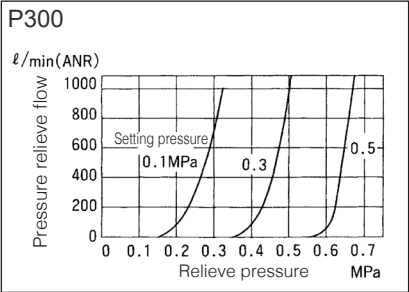
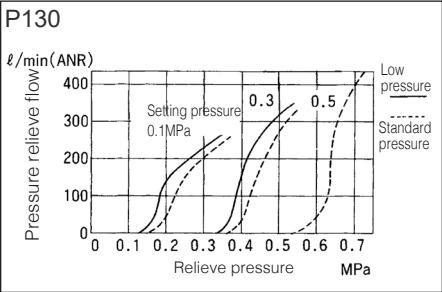


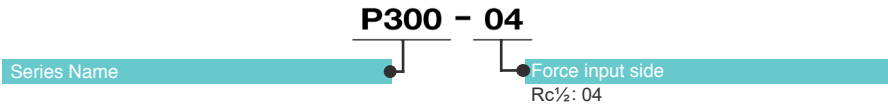
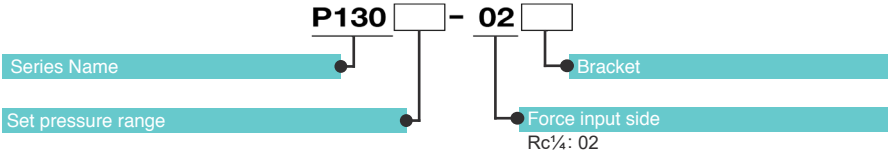
P300-04

Specifications

Model No.	Unit	P130-02	P300-04
Force input side		Rc¼	Rc½
Air side		Rc¾ (Two holes)	Rc¼ (Two holes)
Operating temperature range	°C		
Set pressure range	MPa[kgf/cm²]		
Weight	kg	0.19	0.67

Flow characteristics







• Please refer to symbol specification table and option table.

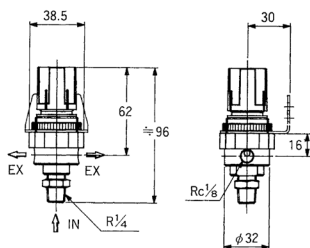
Option

Model No.		Mark	P130-02	P300-04
Set pressure range	Standard pressure (0.02~0.75MPa)	Without mark	⊙	⊙
	Low pressure (0.01~0.3MPa)	L	○	—
Pressure relief mechanism	Pressure relief type	G	—	—
Bracket	Standard	B	○	—
	Mounting panel (aluminum)	A	○	—
	Mounting panel (plastic)	P	○	—
Air flow direction	Left to Right	Without mark	—	—
	Right to Left	R	—	—

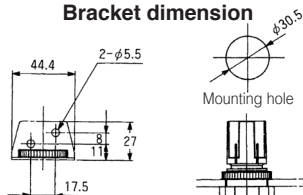
⊙ Standard ○ Option

P130-02

(Unit : mm)

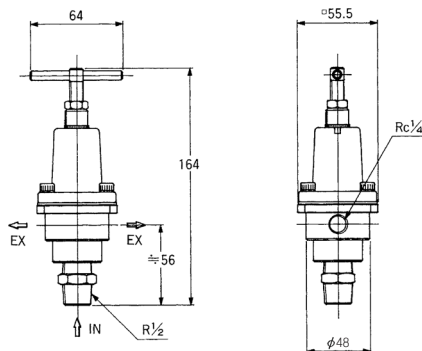


Bracket dimension

Standard bracket : B
(KWSA161X57)Plastic mounting panel : P (KW161X51)
Aluminum mounting panel : A (KWR05X51)

P300-04

(Unit : mm)



Water Drain Valve/D011, D608

- Designed with high security and ease of use, handy to install.
- Highly reliable. Connect a tube to the bottom of the bucket allows residual water to be automatically discharged.

JIS Symbol

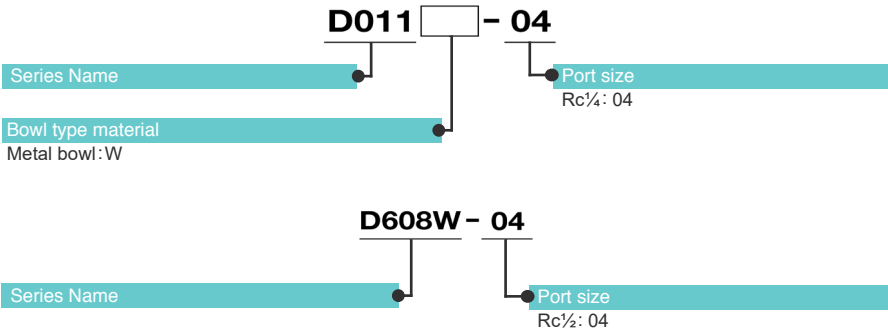


D011W-04 D608W-04

Specifications

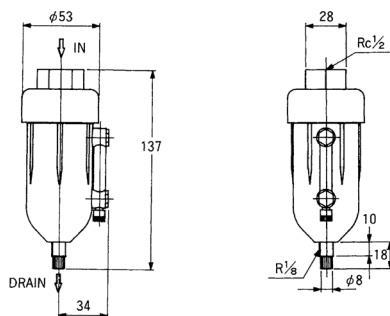
Model No.	Unit	D011W-04	D608W-04
Port size		Rc½	
Maximum operating pressure	MPa[kgf/cm ²]	1.2(12)	
Proof pressure	MPa[kgf/cm ²]	1.4(14)	
Operating temperature range	℃	5~50	

Representation



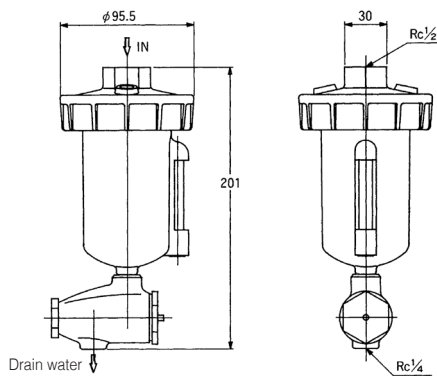
D011W-04

(Unit : mm)



D608W-04

(Unit : mm)



Bracket

Accessories

Mounting bracket



Mounting bracket application table

Model No.	Applicable series	Applicable air pressure regulator
KW15Y57	C628-02, 03 U628-02, 03 C628W-02, 03 U628W-02, 03	R119-02, 03
KW18A57	C628-04 U628-04 C628W-04 U628W-04	R119-04
KW18B57	C628-06, 08, 10, 12 U628-06, 08, 10, 12	R119-06, 08, 10, 12

Model No.	Applicable series	Applicable air pressure regulator	Applicable filter regulator
KWSAR10Y57	C668-04 U658-02, 03, 04 C668W-04 U658W-02, 03, 04 U668W-02, 03, 04 U668W-02, 03, 04	R010-02, 03, 04 R011-02, 03, 04	B011W-02, 03, 04 B012W-02, 03, 04
KW161X57	C528-02 U528-02 C528D-02 U528D-02 U558-02 U558D-02	R364-02 W361-02	B549-02 B549D-02

Model No.	Applicable pressure relief valve
KWSA161X57	P130-02

Panel bracket

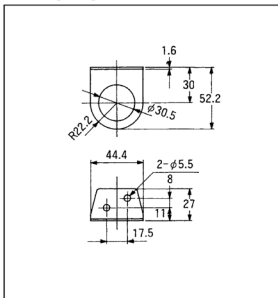
Panel bracket application table

Model No.	Applicable air pressure regulator	Applicable Integral Filter-Regulator	Applicable relief valve
KW161X51	R364-02 W361-02	B549-02 B549D-02	P130-02
KWR05X51	R364-02 W361-02	B549-02 B549D-02	P130-02
KWR10X51	R010-02, 03, 04 R011-02, 03, 04	B011W-02, 03, 04 B012W-02, 03, 04	

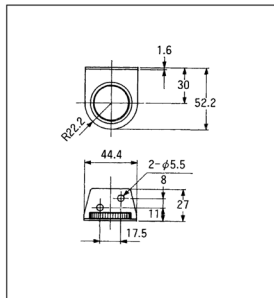
Mounting bracket

(Unit : mm)

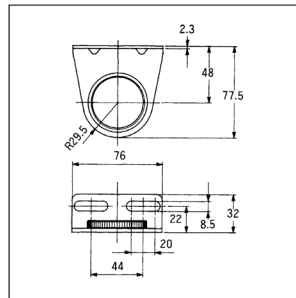
KW161X57



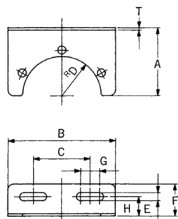
KWSA161X57



KWSAR10Y57



KW15Y57/KW18A57/KW18B57

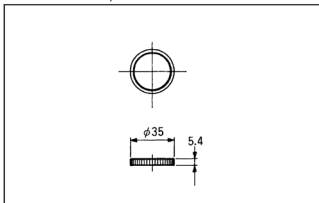


Model No.	A	B	C	D	E	F	G	H	T
KW15Y57	57	76	47.8	27	6.8	30	16	19.8	2
KW18A57	57	90.5	47.8	33	6.8	27	16	16.3	2
KW18B57	74.5	119	82.5	45	8.4	44.5	16	33.3	2.3

Panel bracket

(Unit : mm)

KW161X51/KWR05X51



KWR10X51

