

Preparation unit——GA Series

AIRTAC

GAR Series Regulator



Symbol

No reflux valve is attached



Reflux valve is attached



Product feature

1. Circular square pressure gauge which with clip and magnifier is used to save installation space.
2. The pressed-in self-locking mechanism can prevent the abnormal movement of the set pressure caused by external interfere.
3. Balanced design is adopted for the pressure adjustment mechanism.
4. In addition to panel installation, the bracket is optional for installation.

Specification

Model	GAR200-06	GAR200-08	GAR300-08	GAR300-10	GAR300-15	GAR400-10	GAR400-15	GAR500-20	GAR600-20	GAR600-25
Fluid	Air									
Port size [Note1]	1/8"	1/4"	1/4"	3/8"	1/2"	3/8"	1/2"	3/4"	3/4"	1"
Pressure range	0.05~0.9MPa(7~130psi)									
Max. pressure	1.0MPa(145psi)									
Proof pressure	1.5MPa(215psi)									
Temperature range	-20~70°C									
Weight	170g		300g			570g		580g	1390g	

[Note1] PT thread, G thread and NPT thread are available.

Ordering code

GAR300 10 S □ □ G K

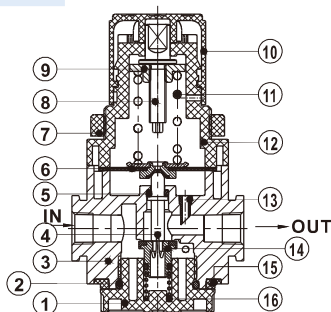
① ② ③ ④ ⑤ ⑥ ⑦

① Model	② Port size	③ Type code	④ Accessories	⑤ Pressure gauge	⑥ Thread type	⑦ Code of reflux valve
GAR200:GA200 Series regulator	06: 1/8" 08: 1/4"	S: Standard L: Lower pressure [Note1]	Blank: Bracket J: No bracket	Blank: Circular N: No gauge [Note2]	Blank: PT (MPa/psi) G: G (bar/MPa) T: NPT (psi/bar)	Blank: No reverse flow valve is attached K: Reverse flow valve is attached [Note2]
GAR300:GA300 Series regulator	08: 1/4" 10: 3/8" 15: 1/2"					
GAR400:GA400 Series regulator	10: 3/8" 15: 1/2"					
GAR500:GA500 Series regulator	20: 3/4"					
GAR600:GA600 Series regulator	20: 3/4" 25: 1"	S: Standard				

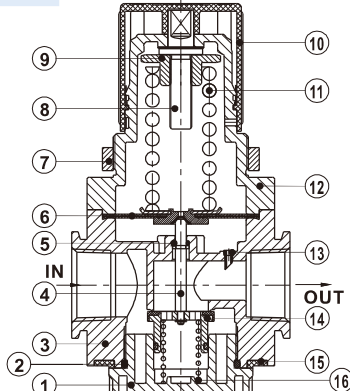
[Note1] The maximum work pressure of lower pressure type is 0.4MPa(58psi); [Note2] Please refer to page 201 for details of sealing plate Installation and reflux valve.

Inner structure

GAR200



GAR600



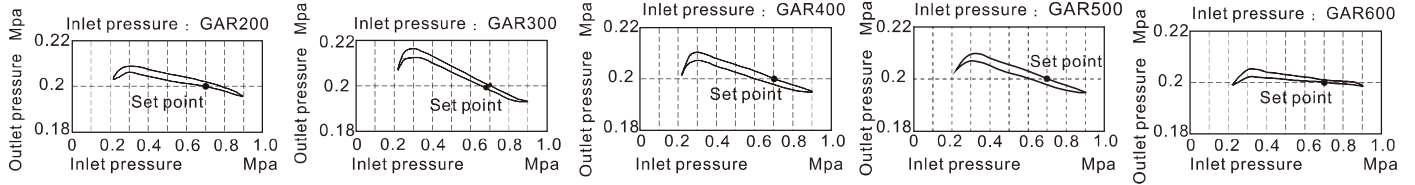
No.	Item	Material
1	Valve cap	Aluminum alloy (GR600)\POM(others)
2	O-ring	NBR
3	Body	Aluminum alloy
4	Spool	Brass (GR600)\POM(others)
5	O-ring	NBR
6	Diaphragm	NBR
7	Fixed ring	Aluminum alloy (GR600)\POM(others)
8	Adjusting spindle	Steel
9	Regulator nut	Steel
10	Pressure knob	POM
11	Pressure spring	SWPB
12	Adjusting seat	Aluminum alloy (GR600)\POM(others)
13	Feed back tube	POM
14	Pressure plug	Aluminum alloy & steel
15	Bottom cover	POM
16	Spring	SWPB



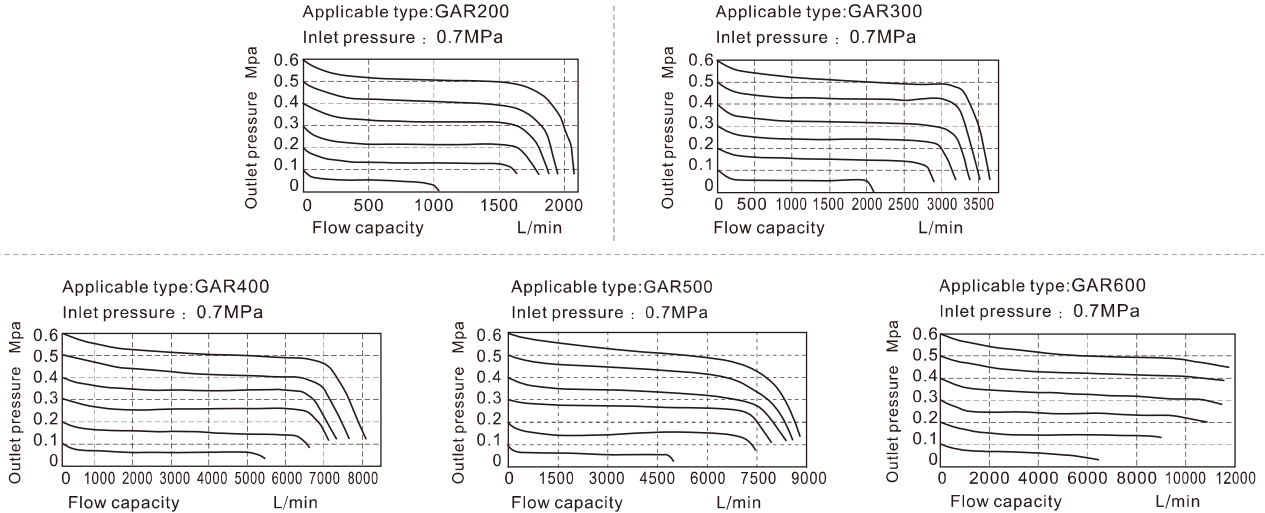
Preparation unit——GA Series

GAR Series Regulator

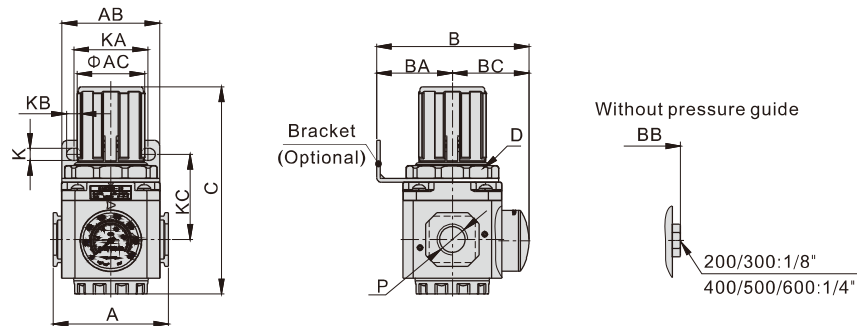
Pressure chart



Flow chart



Dimensions



Model\Item	A	AB	AC	B	BA	BB	BC	C	D	K	KA	KB	KC	P
GAR200-06	52.5	55	31	69	30	55.5	39	91	M33x1.5	5.4	34	15.4	45	1/8"
GAR200-08	52.5	55	31	69	30	55.5	39	91	M33x1.5	5.4	34	15.4	45	1/4"
GAR300-08	62.5	53	38	82.5	41	71.5	41.5	112	M40x1.5	6.5	40	8	46	1/4"
GAR300-10	62.5	53	38	82.5	41	71.5	41.5	112	M40x1.5	6.5	40	8	46	3/8"
GAR300-15	62.5	53	38	82.5	41	71.5	41.5	112	M40x1.5	6.5	40	8	46	1/2"
GAR400-10	80	72	52	99	50	88	49	140.5	M55x2.0	8.5	55	11	53	3/8"
GAR400-15	80	72	52	99	50	88	49	140.5	M55x2.0	8.5	55	11	53	1/2"
GAR500-20	82	72	52	100	50	89	50	140.5	M55x2.0	8.5	55	11	53	3/4"
GAR600-20	100	90	59	128	70	117	58	179.5	M62x1.5	11	66	13	73.5	3/4"
GAR600-25	100	90	59	128	70	117	58	179.5	M62x1.5	11	66	13	73.5	1"

Preparation unit——GA Series

GAL Series Lubricator



Symbol



Product feature

1. The structure of oil dripping adopts gap seal type, which makes the adjustment of oil supply more reliable.
2. Oil feed ring can only make one full turn. The quantity of oil supply basically takes on linear distribution. The quantity of oil supply can be generally calculated according to the position of graduation ring.
3. Special drip nozzle structure will produce negative pressure in oil dripping outlet and the mist flow is minimal.
4. Three material of bowl are available: PC, Nylon and metal.
5. Filling of oil while the lubricator is under pressure is made possible, and the oil bowl is large.
6. The bracket can be selected for installation.

Specification

Model	GAL200-06	GAL200-08	GAL300-08	GAL300-10	GAL300-15	GAL400-10	GAL400-15	GAL500-20	GAL600-20	GAL600-25
Fluid	Air									
Port size [Note1]	1/8"	1/4"	1/4"	3/8"	1/2"	3/8"	1/2"	3/4"	3/4"	1"
Pressure range	0.05~0.9MPa(7~130psi)									
Proof pressure	1.5MPa(215psi)									
Temperature range	-5~70°C(Unfreeze)									
Recommended lubricant	ISO VG 32 or equivalent									
Capacity of oil bowl	36CC		98CC		185CC		225CC	410CC		
Weight	200g		370g		660g		700g	1040g		

[Note1] PT thread, G thread and NPT thread are available.

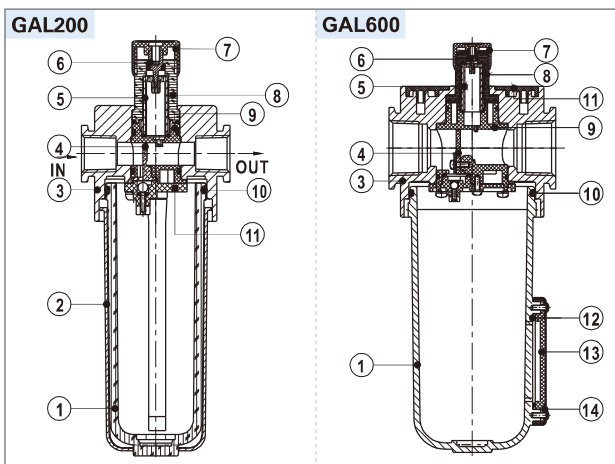
Ordering code

GAL300 ☐ 10 ☐ G

① ② ③ ④ ⑤

① Model	② Bowl material	③ Port size	④ Accessories	⑤ Thread type
GAL200: GA200 Lubricator	Blank: PC bowl C: Metal bowl N: Nylon bowl	06: 1/8" 08: 1/4"	Blank: Bracket J: No bracket	Blank: PT G: G T: NPT
GAL300: GA300 Lubricator		08: 1/4" 10: 3/8" 15: 1/2"		
GAL400: GA400 Lubricator		10: 3/8" 15: 1/2"		
GAL500: GA500 Lubricator		20: 3/4"		
GAL600: GA600 Lubricator	C: Metal bowl	20: 3/4" 25: 1"		

Inner structure



No.	Item	Material
1	Oil bowl	Aluminum alloy \ PC \ Nylon
2	Meter cover	SPCC
3	Body of lubricator	Aluminum alloy
4	Distance block	PU
5	Drip pipe	PC
6	Ejector pin	Brass
7	Adjusting ring	POM
8	Adjusting looker	PC
9	Sprayer body	PA66
10	O-ring	NBR
11	Sprayer bottom cap	POM
12	Liquid meter seal	NBR
13	Liquid meter inside cover	PC
14	Liquid meter cover	SPCC