

Preparation unit——GA Series

AIRTAC

GAR100 Series Regulator



Symbol

Reflux valve option
is not available



Specification

Model	GAR100M5	GAR10006
Fluid	Air	
Port size [Note1]	M5	1/8"
Pressure range	0.05~0.9MPa(7~130psi)	
Max. pressure	1.0MPa(145psi)	
Proof pressure	1.5MPa(215psi)	
Temperature range	-5~70°C(Unfreeze)	
Weight	59g	

[Note1] G thread is available.

Ordering code

GAR100 06 S □ □ G □

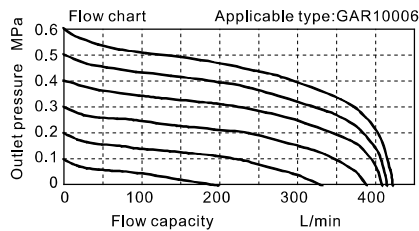
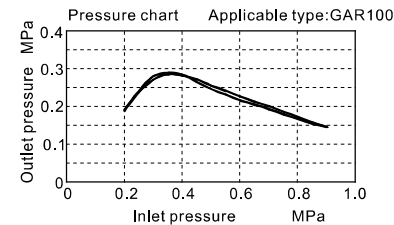
① ② ③ ④ ⑤ ⑥ ⑦

① Model	② Port size	③ Type code	④ Accessories	⑤ Pressure gauge	⑥ Thread type[Note2]	⑦ Code of reflux valve
GAR100:GA100 Series regulator	M5: M5 06: 1/8"	S: Standard L: Lower pressure [Note1]	Blank: Bracket J: No bracket	Blank: Circular N: No gauge	G: G (bar/MPa)	Blank: Reflux valve is not available

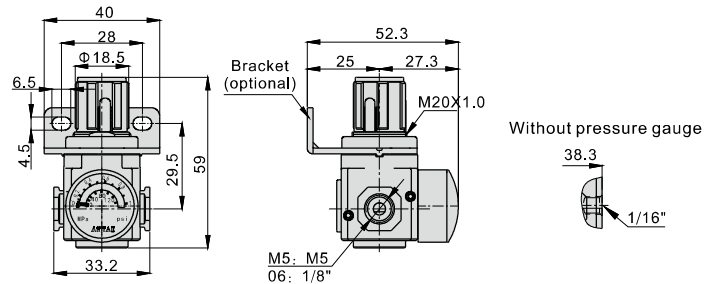
[Note1] The working pressure range of lower pressure type is 0.15~0.4MPa(20~58psi) ;

[Note 2] Thread type means connecting thread and scales of pressure gauge while port size is M5.

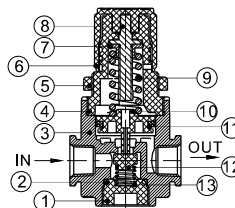
Pressure and Flow chart



Dimensions



Inner structure



No.	Item	Material
1	Valve cap	POM
2	O-ring	NBR
3	Body	Aluminum alloy
4	Adjusting seat	POM
5	Fixed ring	POM
6	Pressure knob	POM
7	Spindle nut	Steel
8	Adjusting spindle	08A
9	Spring	Spring Steel
10	Piston	POM
11	Piston O-ring	NBR
12	Pressure plug	NBR
13	Spring	Stainless steel

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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] G thread is available.

Ordering code

GAR300 10 S □ □ G K

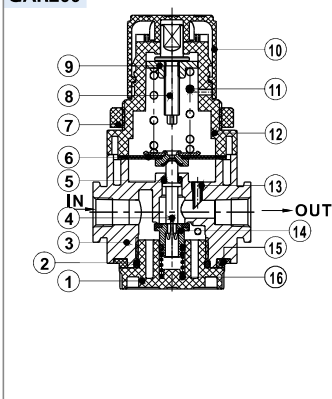
1 2 3 4 5 6 7

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]	G: G Thread (bar/MPa)	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				

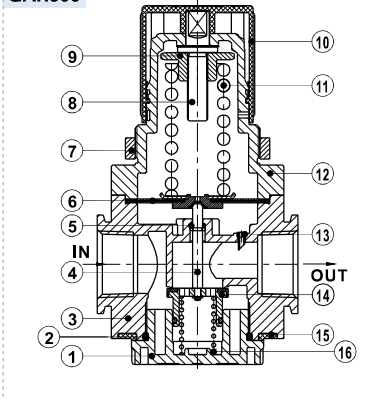
[Note1] The work pressure of lower pressure type is 0.05~0.4MPa(7~58psi) ; [Note2] Please refer to page 250 for details of sealing plate Installation and reflux valve.

Inner structure

GAR200



GAR600

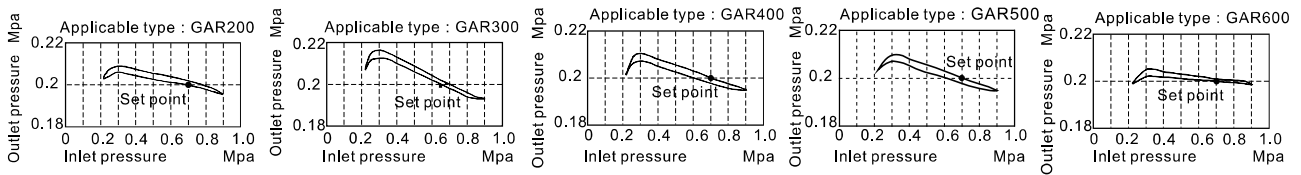


No.	Item	Material
1	Valve cap	Aluminum alloy (GAR600)\POM(others)
2	O-ring	NBR
3	Body	Aluminum alloy
4	Spool	Brass (GAR600)\POM(others)
5	O-ring	NBR
6	Diaphragm	NBR
7	Fixed ring	Aluminum alloy (GAR600)\POM(others)
8	Adjusting spindle	08A
9	Regulator nut	Steel
10	Pressure knob	POM
11	Pressure spring	SWPB
12	Adjusting seat	Aluminum alloy (GAR600)\POM(others)
13	Feed back tube	POM
14	Pressure plug	Aluminum alloy & steel
15	Bottom cover	POM
16	Spring	SWPB

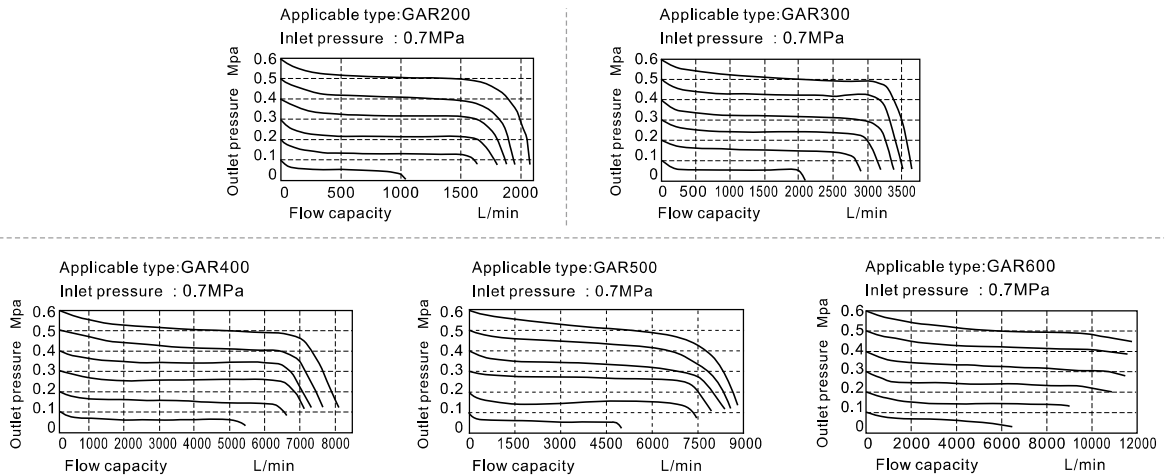
Preparation unit——GA Series

GAR Series Regulator

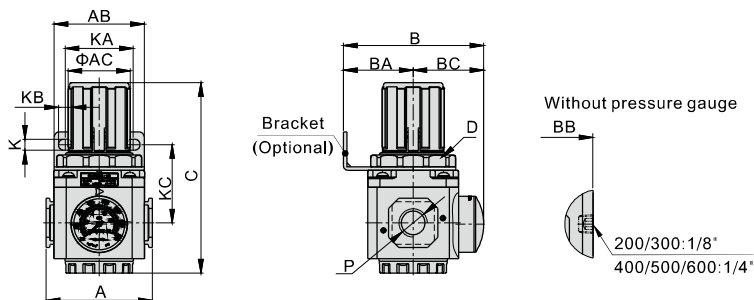
Pressure chart



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	51.5	39	91	M33x1.5	5.4	34	15.4	45	1/8"
GAR200-08	52.5	55	31	69	30	51.5	39	91	M33x1.5	5.4	34	15.4	45	1/4"
GAR300-08	62.5	53	38	82.5	41	67.5	41.5	112	M40x1.5	6.5	40	8	46	1/4"
GAR300-10	62.5	53	38	82.5	41	67.5	41.5	112	M40x1.5	6.5	40	8	46	3/8"
GAR300-15	62.5	53	38	82.5	41	67.5	41.5	112	M40x1.5	6.5	40	8	46	1/2"
GAR400-10	80	72	52	99	50	84	49	140.5	M55x2.0	8.5	55	11	53	3/8"
GAR400-15	80	72	52	99	50	84	49	140.5	M55x2.0	8.5	55	11	53	1/2"
GAR500-20	82	72	52	100	50	85	50	140.5	M55x2.0	8.5	55	11	53	3/4"
GAR600-20	100	90	59	128	70	113	58	179.5	M62x1.5	11	66	13	73.5	3/4"
GAR600-25	100	90	59	128	70	113	58	179.5	M62x1.5	11	66	13	73.5	1"