

Preparation unit—G Series



GR Series Regulator



Symbol

No Reverse Flow valve is attached



Reverse Flow valve is attached



Product feature

1. Embedded square pressure gauge is used to save installation space. (External circular pressure gauge is also optional).
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.
5. In addition to standard type, lower pressure type is optional (the highest adjustable pressure is 0.4MPa).

Specification

Model	GR200-06	GR200-08	GR300-08	GR300-10	GR300-15	GR400-10	GR400-15	GR600-20	GR600-25
Fluid	Air								
Port size [Note1]	1/8"	1/4"	1/4"	3/8"	1/2"	3/8"	1/2"	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	160g		350g			720g		1700g	

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

Ordering code

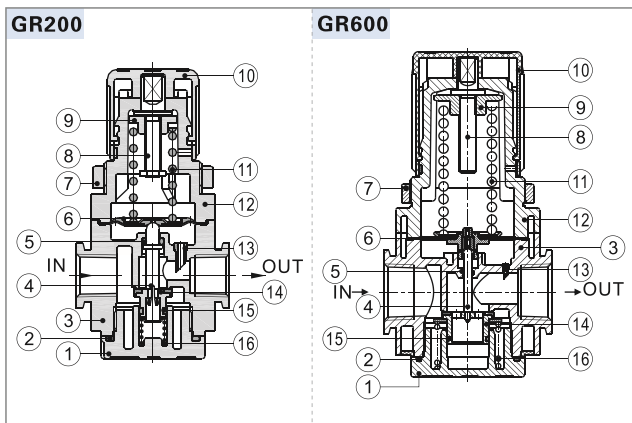
GR200 08 L F 1 G K

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

① Model	② Port size	③ Type code	④ Accessories	⑤ Pressure gauge	⑥ Pressure gauge shape	⑦ Scale	⑧ Thread type	⑨ Code of reflux valve [Note2]
GR200: G200 Series Regulator	06: 1/8" 08: 1/4"	Blank: Standard L: Lower pressure [Note1]	Blank: Bracket J: No bracket (standard configuration)	Blank: Pressure gauge N: No pressure gauge	F: Square C: Circular	1: MPa 2: psi 3: bar	Blank: PT G: G T: NPT	Blank: No Reverse flow valve is attached K: Reverse flow valve is attached
GR300: G300 Series Regulator	08: 1/4" 10: 3/8" 15: 1/2"							
GR400: G400 Series Regulator	10: 3/8" 15: 1/2"							
GR600: G600 Series Regulator	20: 3/4" 25: 1"							

[Note1] The maximum work pressure of lower pressure type is 0.4MPa(58psi); [Note2] Please refer to page 173 for details of reflux valve.

Inner structure



No.	Item	Material	No.	Item	Material
1	Valve cap	Aluminum alloy	9	Regulator nut	Steel
2	O-ring	NBR	10	Pressure knob	POM
3	Body	Aluminum alloy	11	Pressure spring	SWC
4	Spool	Brass(GR600) POM(others)	12	Adjusting seat	Aluminum alloy (GR600)\POM(others)
5	O-ring	NBR	13	Feed back tube	POM
6	Diaphragm	SUS304 & Rubber	14	Pressure plug	Brass & steel
7	Fixed ring	Aluminum alloy (GR600)\POM(others)	15	O-ring	NBR
8	Adjusting spindle	Steel	16	Spring	Stainless steel

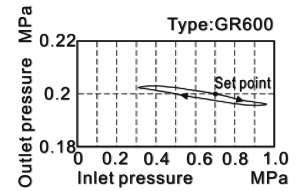
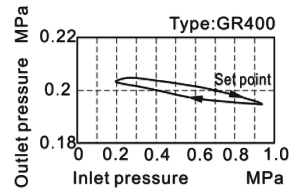
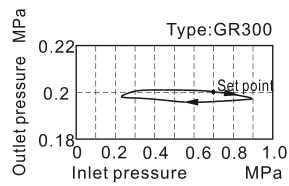
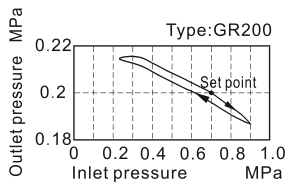


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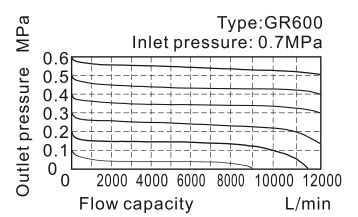
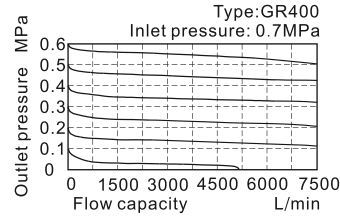
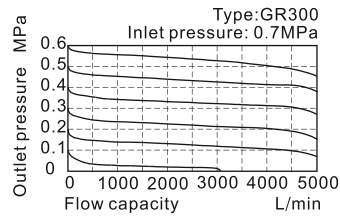
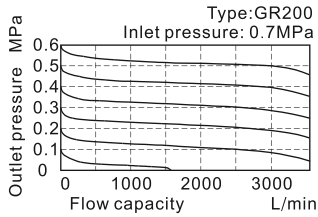


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Pressure chart

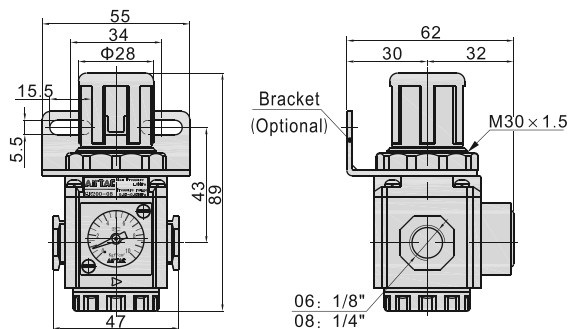


Flow chart

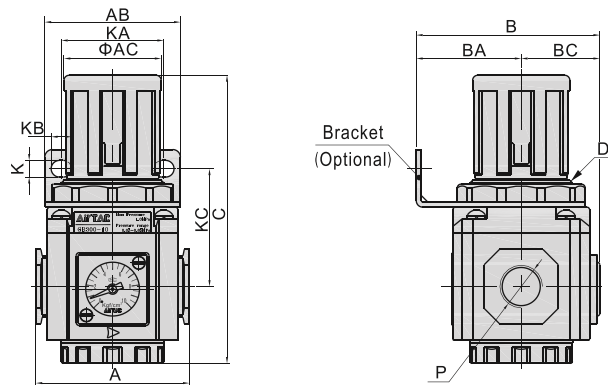


Dimensions

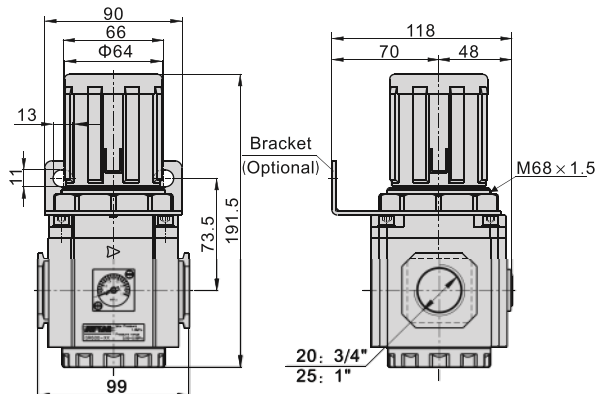
GR200



GR300\GR400



GR600



Model\Item	A	AB	AC	B	BA	BC	C	D	K	KA	KB	KC	P
GR300-08	60	53	38	72	41	31	112.5	M40x1.5	6.5	40	8	46	1/4"
GR300-10	60	53	38	72	41	31	112.5	M40x1.5	6.5	40	8	46	3/8"
GR300-15	60	53	38	72	41	31	112.5	M40x1.5	6.5	40	8	46	1/2"
GR400-10	80	72	52	90	50	40	140.5	M55x2.0	8.5	55	11	53	3/8"
GR400-15	80	72	52	90	50	40	140.5	M55x2.0	8.5	55	11	53	1/2"

Regulating way

The use of GR series regulators is the same as the SDR series, please refer to Page 196 for details.

