

Preparation unit——Regulator

GR Series



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	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	

① PT thread, NPT thread and G thread are available.

Ordering code

GR200 08 L □ □ F 1 □ K

Model

GR200: G200 Series Regulator
GR300: G300 Series Regulator
GR400: G400 Series Regulator
GR600: G600 Series Regulator

Code of reflux valve

Blank: No Reverse flow valve is attached
K: Reverse flow valve is attached

Thread type

Blank: PT
T: NPT
G: G

Scale

1: MPa
2: psi
3: bar

Pressure gauge shape

F: Square
C: Circular

Pressure gauge

Blank: Pressure gauge
N: No pressure gauge

Type code

Blank: Standard
L: Lower pressure ①

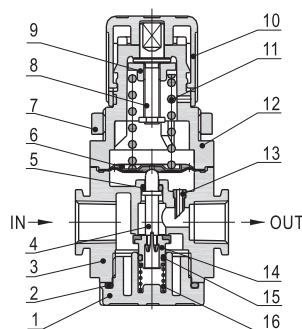
Accessories

Blank: Bracket
J: No bracket(standard configuration)

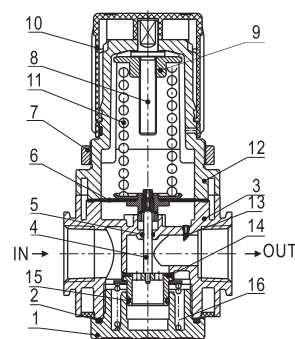
① The maximum work pressure of lower pressure type is 0.4MPa(58psi). ② Please refer to page 144 for details of reflux valve.

Inner structure and Material of major parts

GR200



GR600

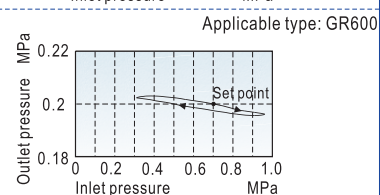
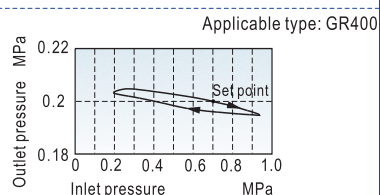
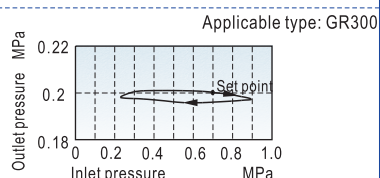
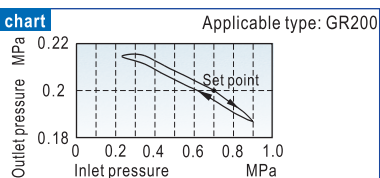


No.	Item	Material	No.	Item	Material
1	Valve cap	Aluminum alloy	9	Regulator nut	Steel
2	O-ring	NBR	10	Pressure knob	POM
3	Body	Aluminum alloy	11	Pressure spring	SWC
4	Spool	Brass(GR600)\POM(others)	12	Adjusting seat	Aluminum alloy(GR600)\POM(others)
5	O-ring	NBR	13	Feed back tube	POM
6	Diaphragm	SUS304 & 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

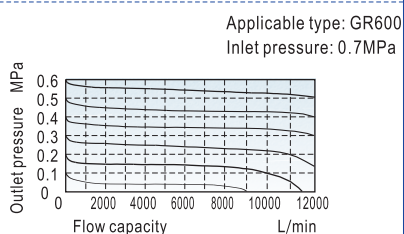
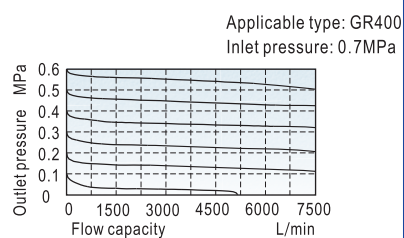
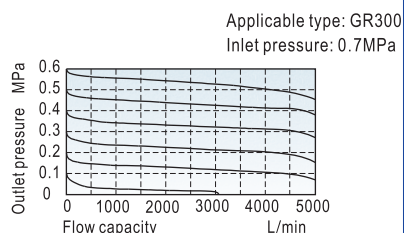
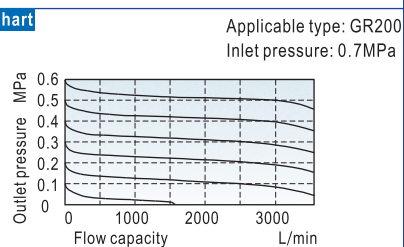
GR Series

Pressure and feature of flow

Pressure chart

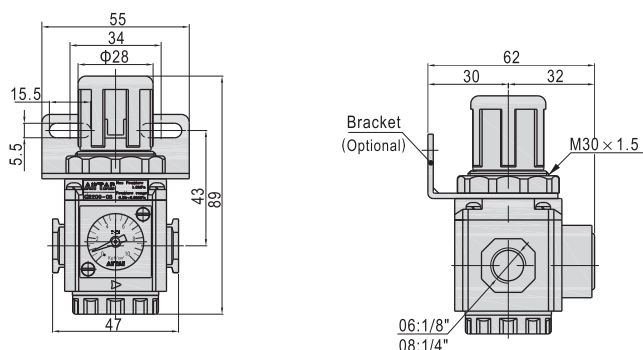


Flow chart

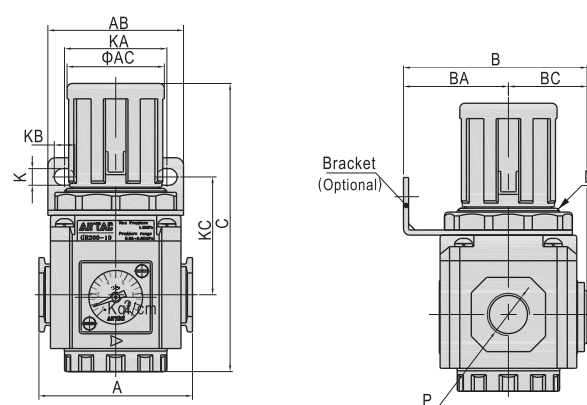


Dimensions

GR200

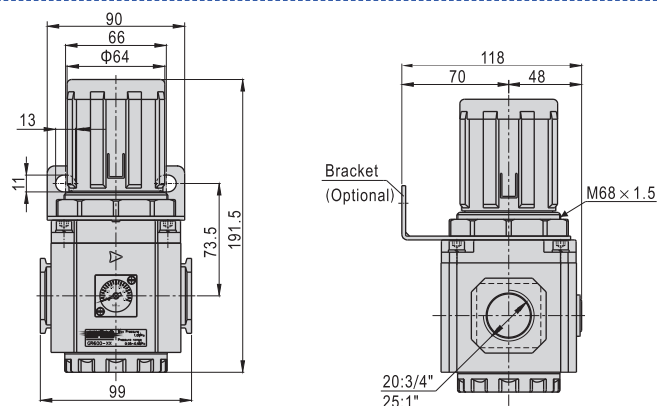


GR300, GR400



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"

GR600



Regulating way

The use of GR series regulators is the same as the SDR series, please refer to Page 162 for details.



GR