Compendium of Other Series preparation unit

P228	Product feature	Photo	P229	Product feature	Photo
SR200 Series Regulator	●Delicate and compact design ●Panel support or be used in pipeline ●Adjustment is reliable and steady. ●Standard and lower pressure type are available ●Port size: 1/8" 1/4"		SDR Series Regulator	●Back pressure structure ●Compact type, cost-effective ●Broad regulating range ●Standard and lower pressure type are available ●Single unit installation ●Port size: M5 1/8" 1/4"	
P231	Product feature	Photo	**P232**	Product feature	Photo
ADW Series Drip leg drain	●The float is with lever structure ●Low position enables more stable drain ●Large capacity bowl ●Large size inlet port ●Double strainer ●Port size: 3/8" 1/2"		DPS Series Digital Display Pressure Switch	●PNP□ NPN Output type ●Terminal and grommet to be choused ●Wide measurement range ●Higher precision ●Digital Display type Precision and intuitionistic	
P235	Product feature	Photo	**P242**	Product feature	Photo
DPH Series digital display pressure sensor (Analog output)	●PNP、NPN Output type ●Terminal and grommet to be choused ●Wide measurement range ●Higher precision ●Digital Display type Precision and intuitionistic		DPC Series Minitype No Display Pressure Switch	●Wide measurement range ●Easy to install ●Two lines or three lines or NPN/PNP outlet types ●Single button to finish learning setting ●Facility and middle va	
P244	Product feature	Photo	**P245**	Product feature	Photo
GS, GF, GU GP, GV Series Pressure gauge	●Sensitive reaction Can work under low pressure ●Several pressure units to be selected ●Several installation ways ●Several installation accessories to be selected ●Various dimensions of screw thread are available		GVF Series Vacuum filter	●Low pressure loss ,high efficiency in separating water ●5μm and 40μm filtering grade(Optional) ●With fixing bracket ●200/300 Series ●Port size: 1/8" 1/4" 3/8" 1/2"	
P247	Product feature	Photo			
GVR Series Vacuum regulator	●In addition to panel installation, the bracket is optional for installation. ●Suitable to adjust the vacuum pressure. ●The pressure regulation is stable, the drift is small and the pressure characteristic is good. ●Port size: 1/8" 1/4" 3/8"				

Installation and application

1. Check whether the components have been damaged during transportation before installing and using.
2. Pay attention to whether the flow direction of air (notice "→" direction) and thread type are correct.
3. Please notice whether installation condition accords with technical requirements (such as "working pressure" and "applied temperature range").
4. The medium used or installation environment shall be noticed. The matters with chlorine, carbon compound, aromatic compound and oxidizing acid and alkali shall be avoided to prevent the damage of bowl and oil bowl.
5. Regularly clean or change filter core. Lubricators and regulators shall be in descending order.
6. Keep dust away. The dust cover shall be installed in intake and outlet when the device is dismantled and stored.

Vacuum Filter

GVF Series

Symbol

Product feature

1. Unique diversion structure spins the air flowing through to effectively separate the liquid from the air and reliably filter the solid grain.
2. It has low pressure loss, high efficiency in separating water and large drain bowl capacity.
3. Filtering grade includes 5μm and 40μm (Optional).
4. Three material of bowl are available: PC, Nylon and metal.
5. The bracket can be selected for installation.

Specification

Model		GVF200-06	GVF200-08	GVF300-08	GVF300-10	GVF300-15
Fluid		Air				
Port size [Note1]		1/8"	1/4"	1/4"	3/8"	1/2"
Filtering grade		40μm or 5μm				
Pressure range		−100~0KPa				
Proof pressure		0.5MPa				
Temperature range		−5~70°C(Unfreeze)				
Capacity of drain bowl		25CC		45CC		
Material of bowl		PC bowl、Nylon bowl、Metal bowl				
Weight(Plastic bowl/Metal bowl)		220g/225g	210g/215g	370g/380g	360g/375g	350g/360g
Flow capacity [Note2] (L/min ANR)	5μm	80	100	150	200	
	40μm	100	160	200	280	

[Note1] PT thread, G thread and NPT thread are available. [Note2] The flow capacity at the inlet pressure loss of 4 Kpa.

Ordering code

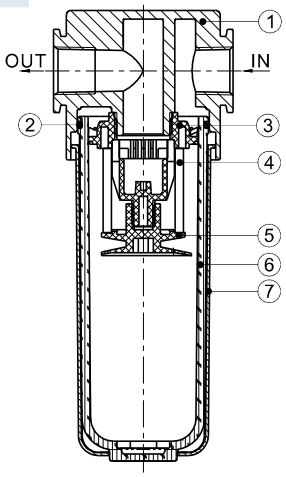
GVF 300 □ 10 □ W G

1 2 3 4 5 6

①Model	②Bowl material	③Port size	④Accessories	⑤Filtering grade	⑥Thread type
GVF200: GVF200 Series Vacuum Filter	Blank: PC bowl C: Metal bowl N: Nylon bowl	06: 1/8" 08: 1/4"	Blank: Bracket J: No bracket	Blank: 40μm W: 5μm	Blank: PT G: G T: NPT
GVF300: GVF300 Series Vacuum Filter		08: 1/4" 10: 3/8" 15: 1/2"			

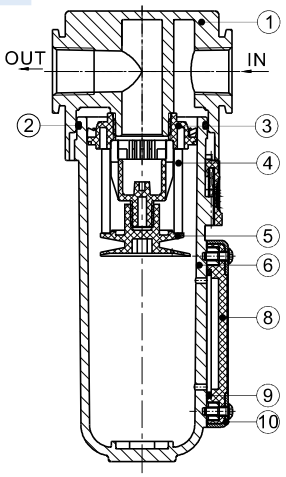
Inner structure

GVF300



PC bowl(Nylon bowl)+Metal cover

GVF300

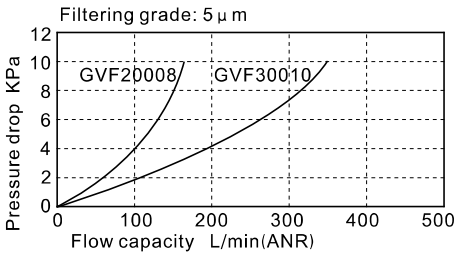


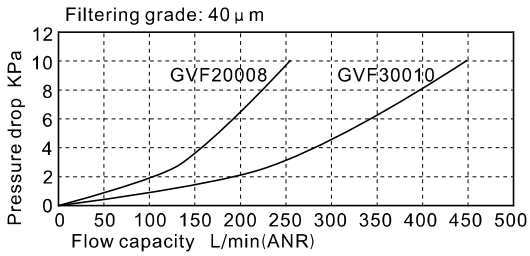
Metal bowl

No.	Item	Material
1	Body	Aluminum alloy
2	O-ring	NBR
3	Air guide	High viscosity POM
4	Filter core	HDPE
5	Umbrella baffle	High viscosity POM
6	Drain bowl	Aluminum alloy\PC\Nylon
7	Meter cover	SPCC
8	Liquid meter inside cover	PC
9	Liquid meter seal	NBR
10	Liquid meter cover	SPCC

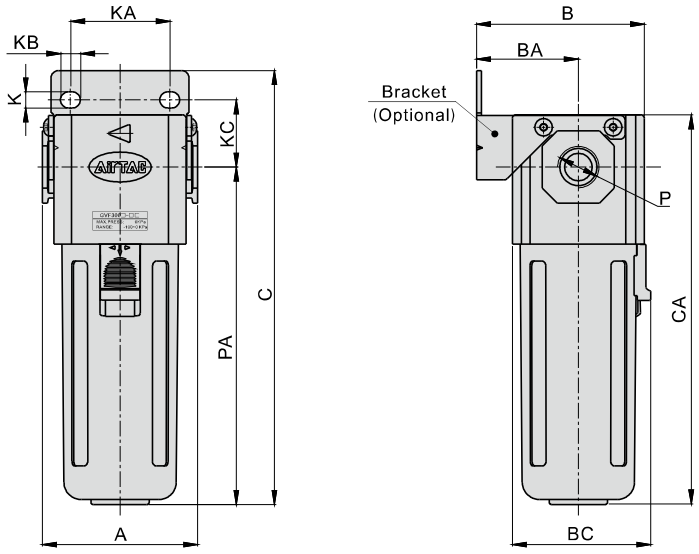
GVF Series

Flow chart





Dimensions



Model\Item	A	B	BA	C	CA	K	KA	KB	KC	P	PA
GVF200-06	52.5	54.5	33	136.5	123.5	5.4	27	8.4	23	1/8"	106.5
GVF200-08	52.5	54.5	33	136.5	123.5	5.4	27	8.4	23	1/4"	106.5
GVF300-08	62.5	67.5	41	174.5	156.5	6.5	40	8	27	1/4"	135.5
GVF300-10	62.5	67.5	41	174.5	156.5	6.5	40	8	27	3/8"	135.5
GVF300-15	62.5	67.5	41	174.5	156.5	6.5	40	8	27	1/2"	135.5

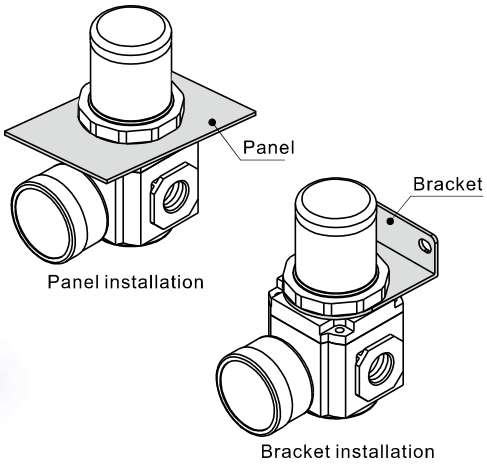
Compendium of GVR Series

Pressed-in self-locking mechanism

The pressed-in self-locking mechanism can prevent the abnormal movement of the set pressure caused by external interfere.

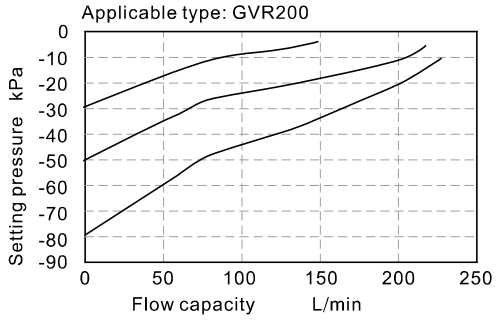
Suitable to adjust the vacuum pressure

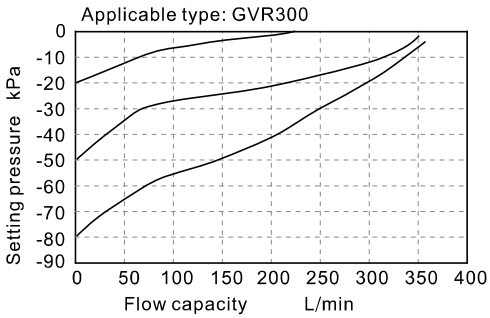
Panel installation and bracket installation are optional



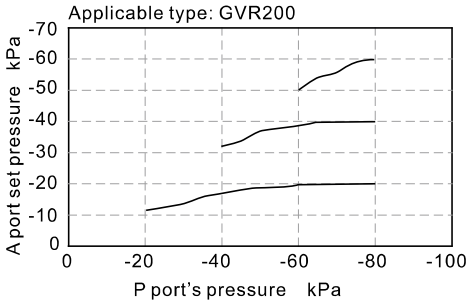
Flow chart and Pressure chart

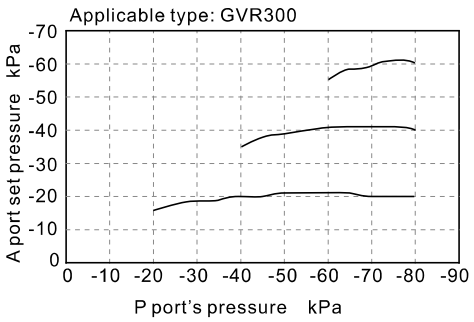
Flow chart





Pressure chart





Installation and Application

1. Please be used with safety circuit to avoid accidents when power failure, vacuum pump and vacuum regulator fail.
2. When checking, please set the pressure to 0 (atmospheric pressure) and completely cut off the pressure of the vacuum pump before pulling down the tube of the regulator.
3. The vacuum regulator can not be used to regulate the pressure of the vacuum pump, if the flow capacity of the vacuum generator is less than the flow capacity of the vacuum regulator, it is not suitable as a vacuum source.
4. The regulating knob rotates clockwise, the atmospheric pressure changes to the vacuum pressure, turns counterclockwise, the vacuum pressure changes to atmospheric pressure.
5. After setting the pressure, press the button on the pressure adjusting button until you hear the click.
6. The vacuum regulator is used for negative pressure, and no positive pressure should be applied.

Vacuum regulator

GVR Series

Specification

Model	GVR200-06	GVR200-08	GVR300-08	GVR300-10
Fluid	Air			
Port size [Note1]	1/8"	1/4"	1/4"	3/8"
Pressure range	-100~-1.3kPa			
Max. pressure	-1.0kPa			
Air inhalation consumption	0.6 L/min(ANR) and below			
Temperature range	-20~70℃			
Weight g	204	198	342	336

[Note1] NPT thread and G thread are available.

Symbol

Product feature

1. The pressed-in self-locking mechanism can prevent the abnormal movement of the set pressure caused by external interfere.
2. The pressure regulation is stable, the drift is small and the pressure characteristic is good.
3. In addition to panel installation, the bracket is optional for installation.

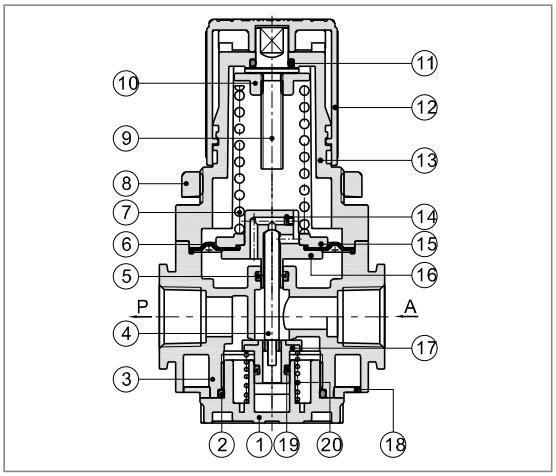
Ordering code

GVR300 10 □ □ □

1 2 3 4 5

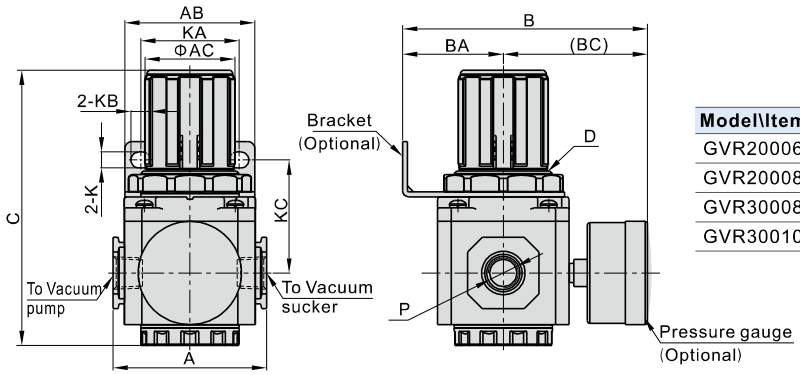
①Model	GVR200: 200 series vacuum regulator	GVR300: 300 series vacuum regulator
②Port size	06: PT1/8 08: PT1/4	08: PT1/4 10: PT3/8
③Accessories	Blank: Bracket J: No bracket	
④Pressure gauge	Blank: Pressure gauge N: No pressure gauge	
⑤Thread type	Blank: PT(kPa & psi) G: G(kPa & psi) T: NPT(kPa & psi)	

Inner structure



No.	Item	Material	No.	Item	Material
1	Valve cap	POM	11	O-ring	NBR
2	O-ring	NBR	12	Pressure knob	POM
3	Body	Aluminum alloy	13	Adjusting seat	POM
4	Spool	Aluminum alloy	14	Gas resistance	Aluminum alloy
5	O-ring	NBR	15	Diaphragm up core	Aluminum alloy
6	Diaphragm	NBR	16	Diaphragm down core	Aluminum alloy
7	Spring	SWC	17	Pressure plug	Aluminum alloy
8	Fixed ring	PA66+Glass fibre	18	Bottom cover	POM
9	Adjusting spindle	Steel	19	O-ring	NBR
10	Regulator nut	Steel	20	Spring	Stainless steel

Dimensions



Model\Item	A	AB	AC	B	BA	BC	C	D	K	KA	KB	KC	P
GVR20006	52.5	55	31	83	30	53	89	M33X1.5	5.4	34	15.4	43	1/8"
GVR20008	52.5	55	31	83	30	53	89	M33X1.5	5.4	34	15.4	43	1/4"
GVR30008	62.5	53	38	99.5	41	58.5	112	M40X1.5	6.5	40	8	46	1/4"
GVR30010	62.5	53	38	99.5	41	58.5	112	M40X1.5	6.5	40	8	46	3/8"