

## 6-1

## Filter pressure / air-flow switch GS-609



### Application

GS 609 installed inside duct is used as pressure switch and air-flow switch to control the filter and fan, damper.

### Specification

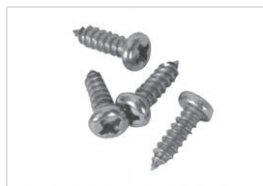
- Adjustable range according to order specifications
- Pressure limit : 5000~7500Pa
- Ambient temperature limit : -30~75°C
- Working temperature limit : -20~85°C
- Storage temperature limit : -40~85°C
- Pressure connection :  $\phi 6.0$ mm plastic pipe,  
P1 high and P2 low pressure
- Service life : over 106 switching cycles
- Electric Contact : SPDT, max 24A/250VAC,  
max frequency 6 switching cycles/min
- Electrical connection : 3 screw terminals
- Repeatability :  $\pm 2\%$
- Materials : housing - PC, cover - PC,  
Diaphragm - silicone and contact-silver
- Weight : 140g with bracket
- Protection class : IP54 with cover

### Mounting

- Recommendations : vertical installation with inlet of P1 and P2 downward(factory setting)
- horizontal installation
  - with cover upward : 10Pa higher switching value than measured
  - with cover downward : 10Pa lower switching value than measured

### Parts

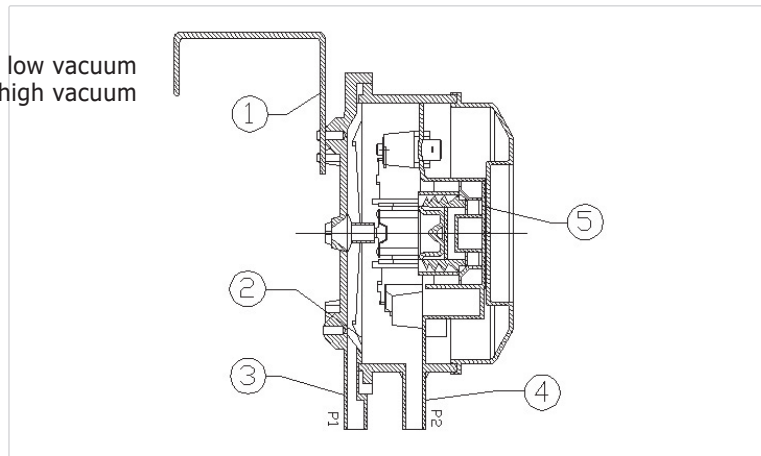
- Connection parts
- Including : connection hose - 2m  
T shape plastic pipe x 2pcs  
Screw bolt x 4pcs  
Cable nut x 1pcs



### Structure

- Installation bracket
- Diaphragm
- P1 for the connection of high pressure or low vacuum
- P2 for the connection of low pressure or high vacuum
- Dial scale when setting switching value

Remark : It is for the one with bracket.  
Their inner structures are the same.



## Order Specification

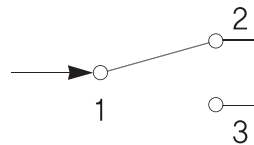
Model	GS - 609.	X	X	X	Converting		
Enclosure	with bracket	1			mbar	inch wc	mm wc
Range of setting	(fan) 20-300Pa		0		0.2 - 3	0.08 - 1.2	2 - 30
	(Filter) 50-500Pa		1		0.5 - 5	0.2 - 2	5 - 50
Marking unit	Applied Pa			0			

### 609 switch dead band information

Part No.	Range	DB
609.100	20-300Pa	10Pa
609.110	50-500Pa	20Pa

Re: the DB is factory setted.

## Wiring Diagram



- 1: Common
- 2: Normal close contact
- 3: Normal open contact

## Shape Dimension

