

## FILTER ALERTS DPG/PS SERIES

Combination of a differential pressure gauge and a differential pressure switch



In many situations filter monitoring requires an alarm signal and a local display. Our filter alerts are the right solution for these situations. The DPG/PS filter alerts combine differential pressure switches with gauges into one practical product offering.



### SIMILAR PRODUCTS

- DPI series electronic differential pressure switches

### APPLICATIONS

The filter alerts are a solution for systems requiring visual indication of pressure on site and a switching point signal. The filter alerts are ideal for general-purpose work in air-conditioning and ventilation, especially in monitoring of air filters for contamination.

### MODEL SUMMARY

Description	Model	Product code	Measurement range DPG (Pa)	Measurement range PS (Pa)
Differential pressure gauge and pressure switch combination	DPG200/PS200	109.001.001	0-200 Pa	20-200 Pa
Differential pressure gauge and pressure switch combination	DPG300/PS300	109.005.001	0-300 Pa	30-300 Pa
Differential pressure gauge and pressure switch combination	DPG500/PS500	109.004.001	0-500 Pa	30-500 Pa
Differential pressure gauge and pressure switch combination	DPG600/PS600	109.002.001	0-600 Pa	40-600 Pa
Differential pressure gauge and pressure switch combination	DPG1,5K/PS1500	109.003.001	0-1500 Pa	100-1500 Pa

# FILTER ALERTS DPG/PS SERIES

## SPECIFICATIONS

### Performance

**Accuracy of gauge (FS 20 °C):**

±2 %

**Switching difference:**

DPG200/PS200: 20 Pa

DPG300/PS300: 20 Pa

DPG500/PS500: 20 Pa

DPG600/PS600: 30 Pa

DPG1,5K/PS1500: 80 Pa

**Accuracy of switching point (Low limit typ.):**

DPG200/PS200: 20 Pa ±5 Pa

DPG300/PS300: 30 Pa ±5 Pa

DPG500/PS500: 30 Pa ±5 Pa

DPG600/PS600: 40 Pa ±5 Pa

DPG1,5K/PS1500: 100 Pa ±10 Pa

**Accuracy of switching point (High limit typ.):**

DPG200/PS200: 200 Pa ±20 Pa

DPG300/PS300: 300 Pa ±40 Pa

DPG500/PS500: 500 Pa ±30 Pa

DPG600/PS600: 600 Pa ±30 Pa

DPG1,5K/PS1500: 1500 Pa ±50 Pa

**Electrical rating, resistive load:**

3 A / 250 VAC (DPG200/PS200: 0.1 A / 250 VAC)

**Electrical rating, inductive load:**

2 A / 250 VAC (DPG200/PS200: -)

**Maximum pressure:**

50 kPa

**Service life:**

> 1 000 000 switching operations

### Technical specifications

**Media compatibility:**

Dry air or non-aggressive gases

**Measuring units:**

Pa

**Environment:**

Operating temperature: -5...+60 °C

Storage temperature: -40...+85 °C

### Physical

**Case (DPG & PS):**

ABS

**Cover (DPG & PS):**

PC

**Membrane (DPG & PS):**

Silicone

**Machinery (DPG):**

Aluminum and steel spring

**Duct connectors (PS):**

ABS

**Tubing (PS):**

PVC, soft

**Protection standard:**

IP54

**Electrical connections:**

3-screw terminal

**Cable entry:**

M16

**Pressure fittings:**

Male ø 5 mm

**Weight:**

510 g

### Conformance

Meets the requirements for:

	CE:	UKCA:
RoHS:	2011/65/EU	S.I. 2012/3032
LVD/EESR:	2014/35/EU	S.I. 2016/1101
WEEE:	2012/19/EU	S.I. 2013/3113

COMPANY WITH  
MANAGEMENT SYSTEM  
CERTIFIED BY DNV  
ISO 9001 • ISO 14001

