

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 #	Part #	Measurement range DPG (inWC)	Measurement range PS (inWC)
Differential pressure gauge and pressure switch combination	DPG-10-PS-25	10110	0–1.0 inWC	0.15–2.50 inWC
Differential pressure gauge and pressure switch combination	DPG-20-PS-25	10111	0–2.0 inWC	0.15–2.50 inWC
Differential pressure gauge and pressure switch combination	DPG-30-PS-50	10112	0–3.0 inWC	0.50–5.00 inWC
Differential pressure gauge and pressure switch combination	DPG-50-PS-50	10113	0–5.0 inWC	0.50–5.00 inWC

FILTER ALERTS

DPG/PS Series

SPECIFICATIONS

Performance

Accuracy of gauge (FS 20 °C):
±2 %

Switching difference:

DPG-10-PS-25: 0.08 inWC

DPG-20-PS-25: 0.08 inWC

DPG-30-PS-50: 0.30 inWC

DPG-50-PS-50: 0.30 inWC

Accuracy of switching point (Low limit typ.):

DPG-10-PS-25: 0.16 ± 0.02 inWC

DPG-20-PS-25: 0.16 ± 0.02 inWC

DPG-30-PS-50: 0.40 ± 0.04 inWC

DPG-50-PS-50: 0.40 ± 0.04 inWC

Accuracy of switching point (High limit typ.):

DPG-10-PS-25: 2.41 ± 0.12 inWC

DPG-20-PS-25: 2.41 ± 0.12 inWC

DPG-30-PS-50: 6.02 ± 0.20 inWC

DPG-50-PS-50: 6.02 ± 0.20 inWC

Maximum pressure:

200 inWC

Service life:

> 1 000 000 switching operations

Media compatibility:

Dry air or non-aggressive gases

Measuring units:

inWC

Environment:

Operating temperature: 23–140 °F (-5–60 °C)

Storage temperature: -40–185 °F (-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 / NEMA3

Electrical connections:

3-screw terminal

Cable entry:

M16

Pressure fittings:

Male Ø 3/16" (5.0 mm)

Weight:

18 oz (510 g)

Conformance

Meets the requirements for CE marking:

EMC Directive 2014/30/EU

RoHS Directive 2011/65/EU

COMPANY WITH
MANAGEMENT SYSTEM
CERTIFIED BY DNV GL
= ISO 9001 = ISO 14001 =

