

Proport.
flow



Description

The flow measurement device works with differential pressure technology. It allows active flow control through continuous real time measurement, realised within 1 ms. There are no moving parts within the flow monitor, therefore it is virtually wear-free.

Media

compressed air

Operating pressure

max. 11 bar

Supply voltage

15...24 V DC, max. power consumption 80 mA

Display

without display as standard, optionally 4-digit LCD display with 12 mm tall, red figures

Electrical connector

square connector, 6-pin with coupling socket

Output signal

0...10 V, optionally 4...20 mA or 20...4 mA

Repeatability

< 0.25% FS

Detectable flow

> 4% FS

Response time

1 ms

Mounting position

any

Material

Body: anodized aluminium

Transducer: aluminium

Accuracy

< 4% FS at 10% to 100% range

Temperature sensitivity

0.25% per °C / K

Shock resistance

25 g

Protection class

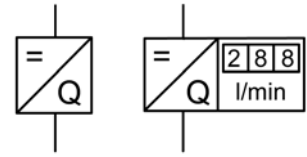
IP 54 / Nema 4

Temperature range

0 °C to 50 °C / 32 °F to 122 °F

Elastomer:

NBR/Buna-N



**30 ... 300 ml/min / 7000 l/min
compressed air, 1 ms fast**

Dimensions			Operating pressure	Connection thread	Flow rate	Order number
A	B	C				
mm	mm	mm	max. bar	G	ml/min*1	

Flow meter

for compressed air, 0...10 V output signal, supply 24 V DC, without display, with coupling socket, open outlet

VPG

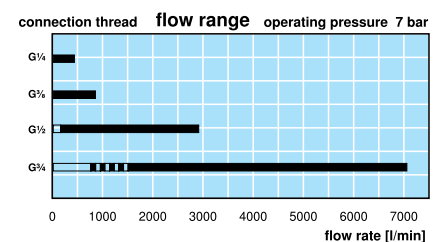
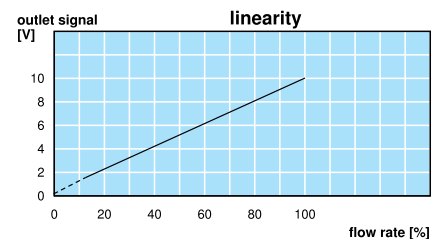
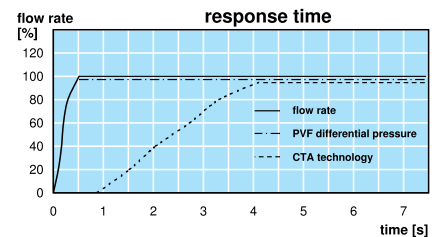
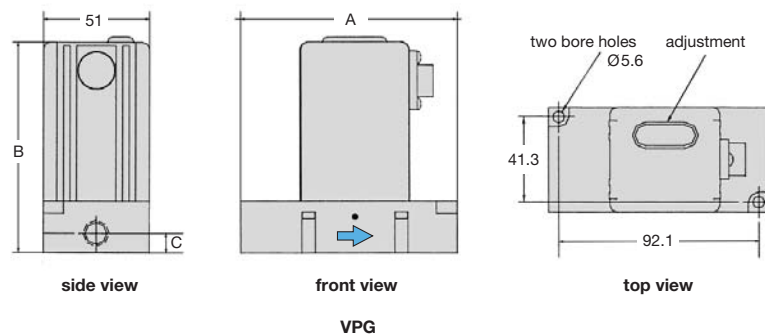
102	106	10	11	G $\frac{1}{4}$	30 ... 300	VPG-2
102	119	19	11	G $\frac{3}{8}$	70 ... 700	VPG-3
102	119	19	11	G $\frac{1}{2}$	300 ... 3000	VPG-4
102	132	25	11	G $\frac{3}{4}$	700 ... 7000	VPG-5

Special options, add the appropriate letter or number

monitor signal	4-20 mA, proportional to flow rate increase				VPG - .I
	20-4 mA, proportional to flow rate increase				VPG - .L
LED display	4-digit, red figures 12 mm tall				VPG - .A
carbon dioxide	CO ₂ :	03	argon	Ar:	VPG - .05
nitrogen	N ₂ :	07	helium	He:	VPG - .09



VPG



*1 at 10 bar operating pressure and open outlet



Order example:
VPG-2

China website: www.duray-control.cn