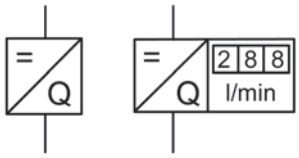
Flow Monitor Based on Differential Pressure Technology VPF

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	**Accuracy**	< 4% FS at 10% to 100% range
Repeatability	< 0.25% FS	**Temperature sensitivity**	0.25% per °C / K
Detectable flow	> 4% FS	**Shock resistance**	25 g
Response time	1 ms	**Protection class**	IP 54 / Nema 4
Mounting position	any	**Temperature range**	0 °C to 50 °C / 32 °F to 122 °F
Material	Body: anodized aluminium Transducer: aluminium	Elastomer:	NBR/Buna-N



30…300 / 7000 l/min compressed air, 1 ms fast

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

Flow meter

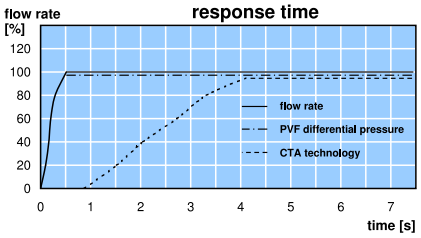
for compressed air, 0…10 V output signal, supply 24 V DC, without display, with coupling socket, open outlet

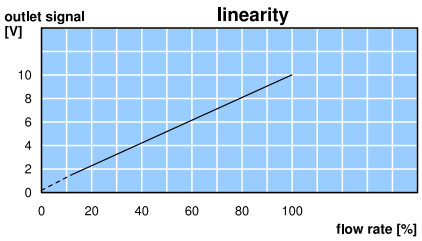
						VPF
102	106	10	11	G¼	30… 300	**VPF-2**
102	119	19	11	G⅜	70… 700	**VPF-3**
102	119	19	11	G½	300…3000	**VPF-4**
102	132	25	11	G¾	700…7000	**VPF-5**

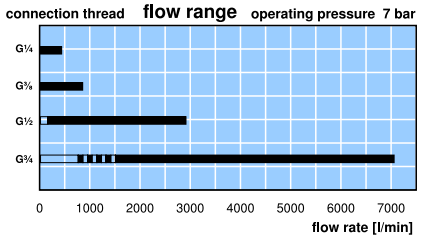
VPF

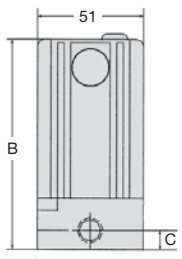
Special options, add the appropriate letter or number

monitor signal	4-20 mA, proportional to flow rate increase	VPF- . **I**
	20-4 mA, proportional to flow rate increase	VPF- . **L**
LED display	4-digit, red figures 12 mm tall	VPF- . **A**
carbon dioxide	CO_2	VPF- . **03**
argon	Ar	VPF- . **05**
nitrogen	N_2	VPF- . **07**
helium	He	VPF- . **09**

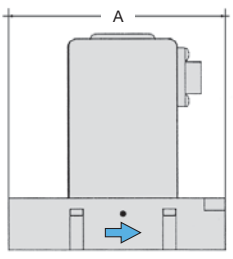




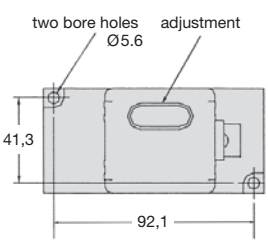




side view



front view



top view

VPF

*1 at 10 bar operating pressure and open outlet

PDF CAD
www.aircom.net

Order example: VPF-2