



<b>Description</b>	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.		
<b>Media</b>	compressed air		
<b>Operating pressure</b>	max. 11 bar		
<b>Supply voltage</b>	15...24 V DC, max. power consumption 80 mA		
<b>Display</b>	without display as standard, optionally 4-digit LCD display with 12 mm tall, red figures		
<b>Electrical connector</b>	square connector, 6-pin with coupling socket		
<b>Output signal</b>	0...10 V, optionally 4...20 mA or 20...4 mA		
<b>Repeatability</b>	< 0.25% FS		
<b>Detectable flow</b>	> 4% FS		
<b>Response time</b>	1 ms		
<b>Mounting position</b>	any		
<b>Material</b>	Body:	anodized aluminium	
	Transducer:	aluminium	
	<b>Accuracy</b>	< 4% FS at 10% to 100% range	
	<b>Temperature sensitivity</b>	0.25% per °C / K	
	<b>Shock resistance</b>	25 g	
	<b>Protection class</b>	IP 54 / Nema 4	
	<b>Temperature range</b>	0 °C to 50 °C / 32 °F to 122 °F	
	<b>Elastomer:</b>	NBR/Buna-N	

**30...300 / 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	

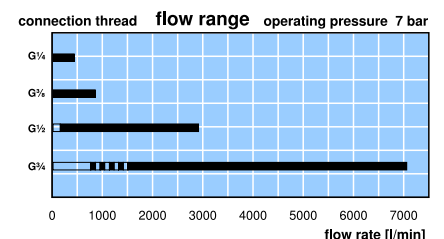
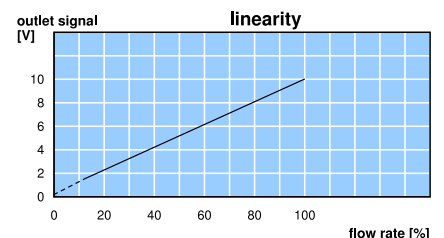
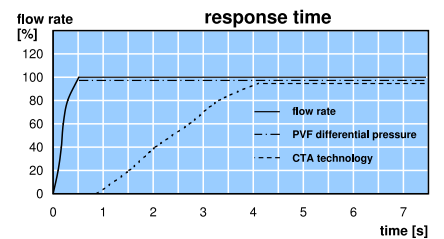
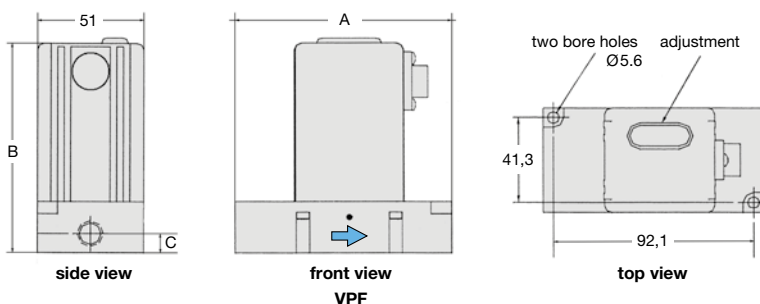
Flow meter						VPF
for compressed air, 0...10 V output signal, supply 24 V DC, without display, with coupling socket, open outlet						
102	106	10	11	G¼	30...300	<b>VPF-2</b>
102	119	19	11	G¾	70...700	<b>VPF-3</b>
102	119	19	11	G½	300...3000	<b>VPF-4</b>
102	132	25	11	G¾	700...7000	<b>VPF-5</b>

**Special options,** add the appropriate letter or number

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



**VPF**



\*1 at 10 bar operating pressure and open outlet