

Prop.-V.



11

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 / 7 000 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	

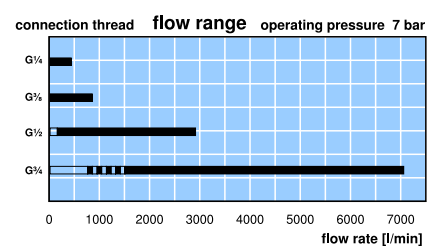
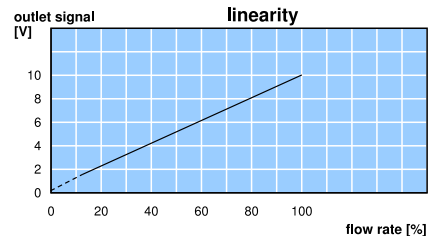
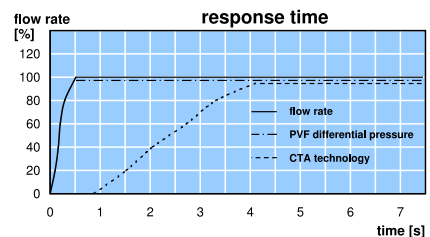
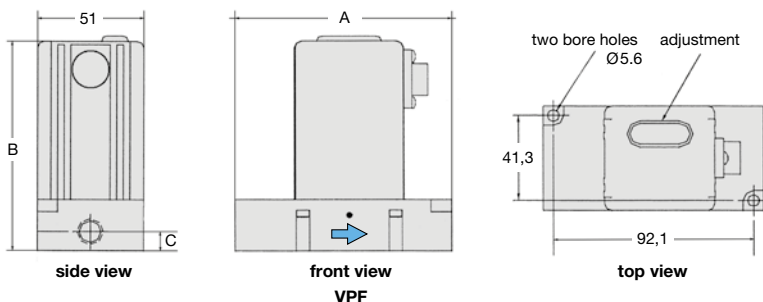
Flow meter						VPF
for compressed air, 0...10 V output signal, supply 24 V DC, without display, with coupling socket, open outlet						
102	106	10	11	G¼	30 ... 300	VPF-2
102	119	19	11	G¾	70 ... 700	VPF-3
102	119	19	11	G½	300 ... 3 000	VPF-4
102	132	25	11	G¾	700 ... 7 000	VPF-5

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



VPF



*1 at 10 bar operating pressure and open outlet