

Perfection in fluids.

The right *flow*  
by German engineering.



# ReciFlow™ Gas flow meter

Data Sheet EPE-155627





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EPE-155627



Made in  
GERMANY



Similar to Figure

## Technical Data

Flow range <sup>A</sup>	0.5..500 ml/min
Accuracy volumetric:	±0.3% MV +0.006 ml/min
Accuracy normalized <sup>B</sup>	±0.4% MV +0.006 ml/min
Repeatability	±0.15% MV +0.002 ml/min
Power up time for full accuracy <sup>C</sup>	15 minutes
Ambient operating temperature range	0..40 °C
Operating pressure range	0.4..3 bar abs.
Proof pressure <sup>D</sup>	3.8 bar rel.
Media compatibility	Dry, not explosive
Filter	10µm internal, installation of an external filter with 5µm recommended
Pressure drop	66 mbar @ 500 ml/min (air) Stainless steel (301, 316 and 316L)  Borosilicate glass, graphite, PEEK, PTFE, POM, EPDM
Wetted materials	On request: POM can be replaced with PEEK. EPDM can be replaced with FKM (Viton) or FFKM (Kalrez). Stainless steel 301 can be replaced with 316
Service Interval	20 m³ (6700 operating hours at 50 l/min)

## Calibration standard for low flows

Measuring range from 0.5 to 500 ml/min  
Pressure range from 0.4 to 3 bar abs.  
Measuring accuracy volumetric ±0.3% MV

Inlet and outlet fittings	Swagelok 1/8"
Enclosure	Aluminium
Battery	NiMH, 4 hours operating time, 3 hours charging time
Display	4,3" LCD, resistive touch screen
Storage temperature range	0..70°C
AC adapter (included)	12V ±5%, stabilized, 2A, 2.1mm
Weight	1.25 kg (+AC Adapter)
Dimensions	18 x 14 x 4 cm
Warranty	2 Years
CE compliant	Emission according to EN 61326-1: 2006 Edition 2, class B Immunity according to EN 61326-1: 2006 Edition 2, basic requirements

A Final value as operating volume flow, initial value as standard volume flow

B Ambient temperature range 20.24 °C and pressure range 950..1050 mbar absolute. Outside this specification, the measuring accuracy must be corrected by 0.1%. The long-term stability (1 year) of ± 0.1% is included.

C When used during this period the measuring accuracy is increased by 0.1%

D Specifies the maximum pressure, which does not damage the device.

## Standard solutions Application examples:

	Gas- and Flow measurement		HVAC and energy engineering
	Aviation		Fluid- and valve technology
	Automotive and automation		Filtration technology
	Power station technology		Chemistry
	Pharmaceuticals and medicine		Services

This is only an **example** interpretation and can change according to your needs.



For special requirements we are happy to advise you. Subject to change. / EPE-155627 / Last update: 03/2018 / V02  
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+49 (0) 79 32 . 6 06 66 - 0 / +49 (0) 79 32 . 6 06 66 - 11 / [info@ep-e.com](mailto:info@ep-e.com) / [www.ep-e.com](http://www.ep-e.com)