

Perfection in fluids.

The right *flow*
by German engineering.



ReciFlow™ Gas flow meter

Data Sheet EPE-155627





ReciFlow™ Gas flow meter

EPE-155627



Made in
GERMANY



Similar to Figure

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 $\pm 0.3\%$ MV

Technical Data

Flow range ^A	0.5..500 ml/min
Accuracy volumetric:	$\pm 0.3\%$ MV +0.006 ml/min
Accuracy normalized ^B	$\pm 0.4\%$ MV +0.006 ml/min
Repeatability	$\pm 0.15\%$ MV +0.002 ml/min
Power up time for full accuracy ^C	15 minutes
Ambient operating temperature range	0..40 °C
Operating pressure range	0.4..3 bar abs.
Proof pressure ^D	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)
Wetted materials	Borosilicate glass, graphite, PEEK, PTFE, POM, EPDM 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)

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 $\pm 5\%$, 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 $\pm 0.1\%$ 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.



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For special requirements we are happy to advise you. Subject to change. / EPE-155627 / Last update: 03/2018 / V02
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