

Datasheet for ReciFlow Gas flow meter

Flow range ^A :	0.5-500 ml/min
Accuracy volumetric:	±0.3% of reading ±0.012 ml/min
Accuracy normalized ^B :	±0.4% of reading ±0.012 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 (absolute)
Proof pressure ^D :	3.8 bar (gauge)
Media compatibility:	Non-condensing, non explosive gases
Filter:	10µm internal. Additional external 5µm filter recommended
Pressure drop:	66 mbar @ 500 ml/min (air)
Wetted materials:	Stainless steel (301, 316 and 316L), borosilicate glass, graphite, PEEK, PTFE, POM, EPDM. <i>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.</i>
Service interval:	20 m ³ (6700 hours of continuous operation @ 50 ml/min).
Inlet and outlet fittings:	Swagelok 1/8" tube diameter (4 mm tube on request)

^A Highest as volumetric flow rate, lowest as normalized.

^B Ambient temperature range 20-24°C and pressure range 950-1050 mbar absolute. If outside of these ranges, add 0.1 % of reading. Long term stability (1 year) of ±0.1 % of reading is included.

^C If used before this time, add 0.1% of reading.

^D Indicates the pressure which does not generate breakage, cracks or external leakage.

Enclosure:	Aluminum
Battery:	NiMH, 4 h operation, 3 h charge
Display:	4.3" LCD, resistive touch screen
Storage temperature range:	0-70°C
AC adapter (included):	12 V \pm 5 %, stabilized, 2 A, 2.1 mm, center positive
Communication ports:	Serial RS-232 (DSUB 9) USB (Micro) Analog (contact "Binder 09-9792-30-05"): 0-5 V 4-20 mA (sourcing) Digital in Digital out
Weight:	1.25 kg (+AC adapter)
Dimensions:	18 x 14 x 4 cm
Warranty:	1 year
CE compliance:	Emission according to EN 61326-1:2006, Edition 2, class B. Immunity according to EN 61326-1:2006, Edition 2, basic requirements.