



# Mass-Flow-Controller

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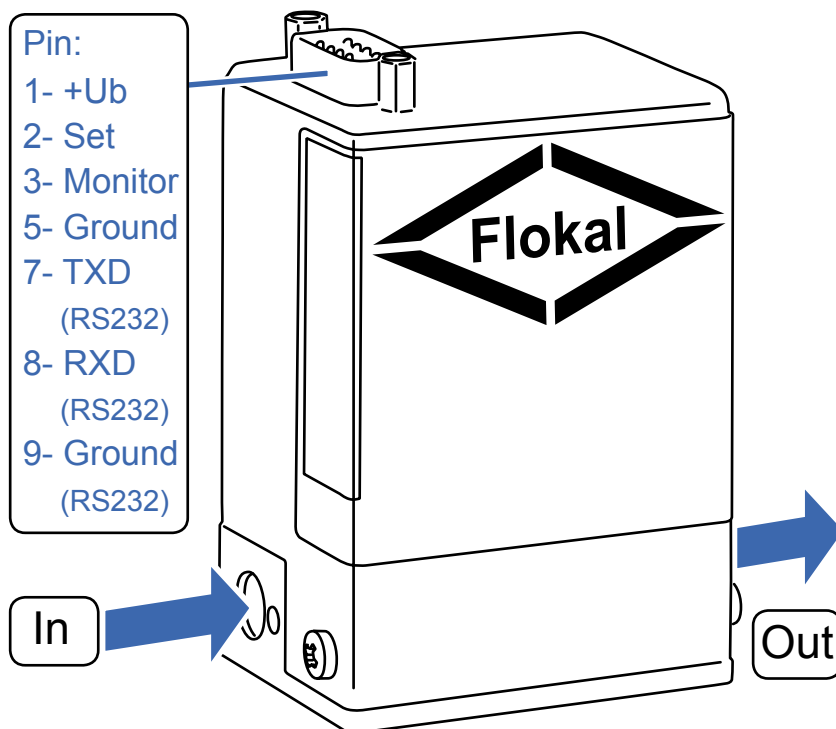
## MFC - E500 / E61 / E101



The MFC E6I regulates the flow of non-corrosive gases for analytical and other technical applications.

The standard calibration takes place for oxygen and/or air. Calibrating on other not corrosive gases is offered when desired.

The use of a 10µm of filter at the gas inlet is recommended.



## Mass-Flow-Controller - MFC

technical data	E500	E6I	E10I
nominal rate flow	500 ml/min	6 l/min	10 l/min
dimensions	53 x 70 x 40 mm (w x h x d)	53 x 70 x 40 mm (w x h x d)	53 x 70 x 40 mm (w x h x d)
gas inlet / gas outlet	M5	M5 or 1/8" NPT	1/8" NPT
pressure diff. betw. inlet / outlet	0.5...8 bar	1.5...4 bar	2...4 bar
electrical connections			
voltage supply	18...32 VDC (24 typically)	18...32 VDC (24 typically)	18...32 VDC (24 typically)
power input	150 mA (70 mA typically)	150 mA (70 mA typically)	120 mA (80 mA typically)
serial interface	D-Sub-9, male, bi-directional	D-Sub-9, male, bi-directional	D-Sub-9, male, bi-directional
analog signal input	1...5 VDC	1...5 VDC	1...5 VDC
analog signal output	1...5 VDC	1...5 VDC	1...5 VDC
characteristic values			
flow error	± 1 % (± 0.5 % typically)	± 1 % (± 0.5 % typically)	± 1 % (± 0.5 % typically)
repetition accuracy	± 0.5 % (± 0.3 % typically)	± 0.5 % (± 0.3 % typically)	± 0.5 % (± 0.3 % typically)
response time	800 ms (500 ms typically)	800 ms (500 ms typically)	800 ms (500 ms typically)
work temperature range	5...50°C	5...50°C	5...50°C