

## DEGASSER

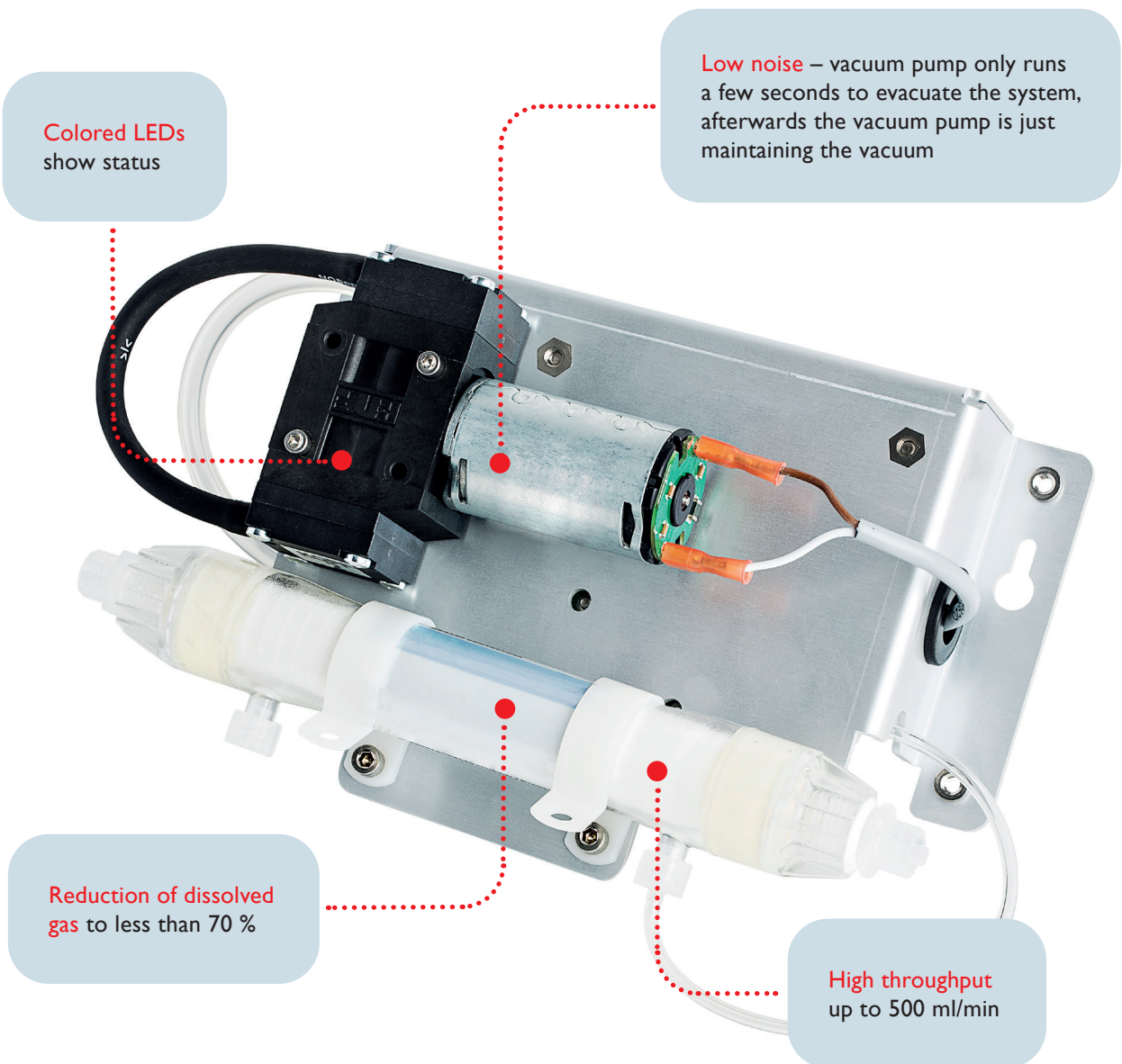
Prevention of volume bias and increasing pipetting accuracy and precision

Optimized for high volume and low pressure DI water supply

Increases laboratory efficiency due to reduced preparation time as a consequence of degassing bypassing fluids

Space optimized and compact solution

Maintenance free



The Degasser reduces the amount of dissolved gas in liquid, consequently no air bubbles can coalesce in the tubing system. Removing dissolved and undissolved gases in deionized (DI) water ensures consistently high pipetting precision and accuracy, especially for small volumes in liquid filled pipetting systems.

A vacuum pump in combination with a semipermeable membrane enables the system to degas and debubble bypassing fluids. An integrated sensor monitors the pressure within the vacuum chamber. Additional sensors constantly monitor the performance and functionality.

The membrane lifetime depends on the quality of input water, which for DI Water could be several years.

## SPECIFICATIONS

<b>Drive</b>	Vacuum pump with pressure sensor
<b>Flow rate</b>	10 – 500 ml/min
<b>Reduction of dissolved gas</b>	Min. 30 % (for 500 ml/min flow rate up to 90 % depending on flow rate velocity)
<b>Reduction of undissolved gas</b>	100 %
<b>Weight</b>	Approx. 600 g
<b>Dimensions [H W D]</b>	162 290 72 mm (recommended space due to tubing systems)
<b>Liquid connection</b>	Luer Lock Male
<b>Wetted components</b>	PP, PE, PPS, EPDM
<b>Power requirements</b>	24 V <sub>DC</sub> ± 5 %, 500 mA
<b>Communication</b>	RS232, TCP/IP

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