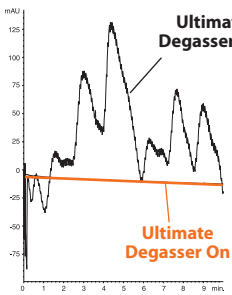
Degasys Ultimate Degasser provides highly stable baselines



Mobile Phase: water:methanol 50:50
Flow: 1.0mL/min.
Det.: UV @ 210nm

LC_0196

To prevent system damage, do not use the Degasys system with solutions containing TFA at concentrations greater than 5%.

Mobile Phase Degasser

Dissolved oxygen can cause flow rate instability and increased baseline noise. Also, it has a quenching effect on fluorescence detection and increases the background of UV detectors. Dissolved gases can out-gas in the HPLC system, forming bubbles in check valves, at connections, or in detector flow cells.

In-line vacuum degassing is more effective at removing dissolved gas from mobile phases than sonication or helium sparging. In-line degassers work by withdrawing gas across a gas-permeable membrane encased in a sealed chamber. Traditionally, the membrane has been made of PTFE tubing, but the Degasys Ultimate Degasser uses tubing composed of an amorphous fluoropolymer that is 200 to 300 times more gas permeable than PTFE. This translates into the ability to use shorter tubing for removing dissolved gas. This new material also has better tubular burst strength than PTFE. To prevent cross contamination, each channel on this Degasys unit is individually encased within its own vacuum chamber.

Specifications:

Residual Oxygen[1]	0.9ppm	**Wetted Parts**	Teflon AF, PTFE, ETFE, PPS
Pressure Loss[1]	0.24psi (1.65kPa)	**Max Flow Rate**	7mL/min./channel
Internal Volume	500µL		

[1]At a flow rate of 1mL/min.

Description	Voltage	qty.	cat.#	price
Mobile Phase Degasser (4 Channel, 7mL/min./channel)	110V	ea.	25189	
Mobile Phase Degasser (4 Channel, 7mL/min./channel)	220V	ea.	25194	