

DEGASi® Prep Stand Alone Degasser



The Systec Prep Scale degassing chambers are built for the rigors of modern preparative and semi-prep scale HPLC, or when higher degassing capacity is required. Its unique design assures reliable continuous operation and the highest level of continuous performance available. The chamber is of a dual channel configuration, allowing two solvent lines to be degassed simultaneously by one unit.

System AF Degassing Technology

The prep / semi-prep scale degassing chambers are designed to be easy to prime, and are configured with a Systec AF degassing membrane to provide maximum degassing capacity with the absolute minimum internal volume (<3% of PTFE designs with comparable degassing capacity).

The standard prep scale design has its internal degassing membrane configured as a dual lumen tubing coil assembly, optimal for low-pressure mixing LC applications.

- ▶ Ultra-high degassing efficiency
- ▶ Low volume
- ▶ Easy priming
- ▶ Dual lumen design for low-flow resistance
- ▶ Extreme Chemical Compatibility



The degasser includes degassing chamber P/N 9000-1523

General Specifications

Degassing Channel Tubing:

- ▶ Systec AF™, 0.075 in. ID

Degassing Channel Pressure Rating:

- ▶ 70 PSIG (testing pressure)

Wetted Materials:

- ▶ Systec AF, PPS, Stainless Steel and Glass-filled PTFE Vacuum

Housing Materials:

- ▶ Polypropylene and Stainless Steel

Hardware:

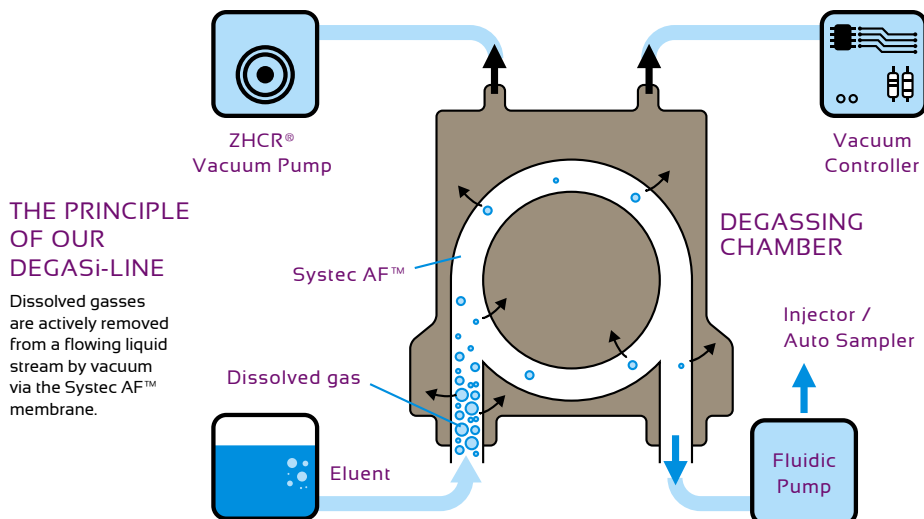
- ▶ Stainless Steel

Overall Dimensions

- ▶ W: 149mm D: 197mm H: 102mm

Weight

- ▶ 2.55 kg



Dual Lumen Prep / Semi-Prep Degassing Configurations^{A, B}

Part Number	Application	Channel Volume (mL)	Max HPLC Gradient Flow Capability ^C (mL/min)	Pressure Drop ^D (kPa/mL/min)
0041-2053	Prep 2ch	5.3 GPC	15	0.03
0041-4053	Prep 4ch	5.3 GPC	15	0.03

A. Custom configurations are available. Consult us for your own OEM solution to your specific application.

B. The flow rates given are for a gradient mixture of 60/40 MeOH/H₂O, with a typical low pressure gradient mixing valve. Higher flow rates are possible with high pressure mixing.

D. Estimated tubing pressure per unit change in flow assuming laminar flow with a viscosity of 1.0 cP.