



HICHROM

Chromatography Columns and Supplies

**LC CONSUMABLES
AND ACCESSORIES
HPLC Solvent Degasser**

Catalogue 9

Hichrom Limited

1 The Markham Centre, Station Road
Theale, Reading, Berks, RG7 4PE, UK

Tel: +44 (0)118 930 3660 Fax: +44 (0)118 932 3484

Email: sales@hichrom.co.uk www.hichrom.co.uk

HPLC SOLVENT DEGASSING SYSTEMS

- Wide range of application areas
- Ultra-high degassing efficiency
- Fits every system
- Short equilibration times
- Easy to prime and extremely quiet

The presence of dissolved air in solvents has an adverse effect on the flow rate stability, noise level and baseline stability of HPLC/UHPLC systems. On-line degassing is a very efficient way of removing dissolved gases from the liquid and preventing bubble formation.

The Biotech DEGASi series of degassers is suitable for a wide range of applications and provides reliable continuous operation for many years. Each model is a stand alone unit, which can be used with all HPLC/UHPLC systems. Dissolved gases are actively removed from a flowing liquid stream by vacuum via the Systec AF™ tubing membrane. This consists of an amorphous perfluorinated copolymer. The low internal volume of this Systec AF tubing enables quick equilibration and short start-up times, compared to the use of a degasser which uses PTFE degassing channels with the same degassing efficiency.

Degasser Specifications¹

	DEGASi Classic	DEGASi Compact	DEGASi GPC
Application	General purpose	Compact application	GPC eluent
Internal volume	480µl	285µl	480µl
No. of channels	2 - 5	2, 4, 6	2 - 5
Biocompatible flow path	Yes	Yes	No
Approx. maximum flow per channel	3ml/min	2ml/min	3ml/min
Footprint	263 x 73mm	167 x 56mm	263 x 73mm

¹ Other models available – Micro, Semi-prep and Prep. Please enquire for details

The **DEGASi Classic** is the first choice for most applications in HPLC/UHPLC. The high permeability of the Systec AF membrane enables an internal degasser chamber volume of only 480µl to be sufficient for excellent degassing efficiency up to flow rates of approximately 3ml/min. The time the liquid spends inside the vacuum chamber correlates to the degassing efficiency, so with higher flow rate the degassing efficiency will be lowered.

The **DEGASi Compact** is a newer stand-alone degasser which combines the Systec technology with a very small footprint at an affordable cost. The low internal volume of 285µl provides very fast priming and start-up.

The **DEGASi GPC** model is recommended for use with 100% organic solvents, such as used in GPC and normal-phase chromatography. It uses the same 480µl Systec AF degassing membrane as used in DEGASi Classic. The main difference compared with the DEGASi Classic is the use of a stented version of the vacuum chamber. This creates an even more secure internal connection when working with 100% organic solvents in the fluidic line.



DEGASi Classic

DEGASi GPC

Ordering Information

Description	Part Number	Price
DEGASi Classic 2 channel degasser	0001-6352-A2	
DEGASi Classic 3 channel degasser	0001-6353-A3	
DEGASi Classic 4 channel degasser	0001-6354-A4	
DEGASi Classic 5 channel degasser	0001-6355-A5	
DEGASi Compact 2 channel degasser	0004-2285	
DEGASi Compact 4 channel degasser	0004-4285	
DEGASi Compact 6 channel degasser	0004-6285	
DEGASi GPC 2 channel degasser	0001-6622	
DEGASi GPC 3 channel degasser	0001-6623	
DEGASi GPC 4 channel degasser	0001-6624	
DEGASi GPC 5 channel degasser	0001-6625	



DEGASi Compact

Please contact Hichrom for ordering information for degasser tubing kits.