

Degasser selection guide

Flow capacity to avoid formation of bubbles

Bubbles are detrimental to any fluidic system. Negative pressure transients, heating, or mixing solvents reduces gas solubility and causes off-gassing which can lead to bubble formation. Removing up to 50% of dissolved gasses with a Biotech DEGASi® in-line degasser effectively prevents bubble formation even in your most demanding applications. Critical factors for choosing the right degasser include flow rate and composition of the liquid. Optimal flow rates to achieve 50% removal are illustrated below. With a Constant Vacuum Degassing Control System, the DEGASi® line of degassers is virtually silent.



DEGASi® Plus series

- 1-6 Channels
- Small Footprint

DEGASi® Integration series

- 1-5 Channels
- Includes contact for system integration and control
- Available in HFIP-compatible version

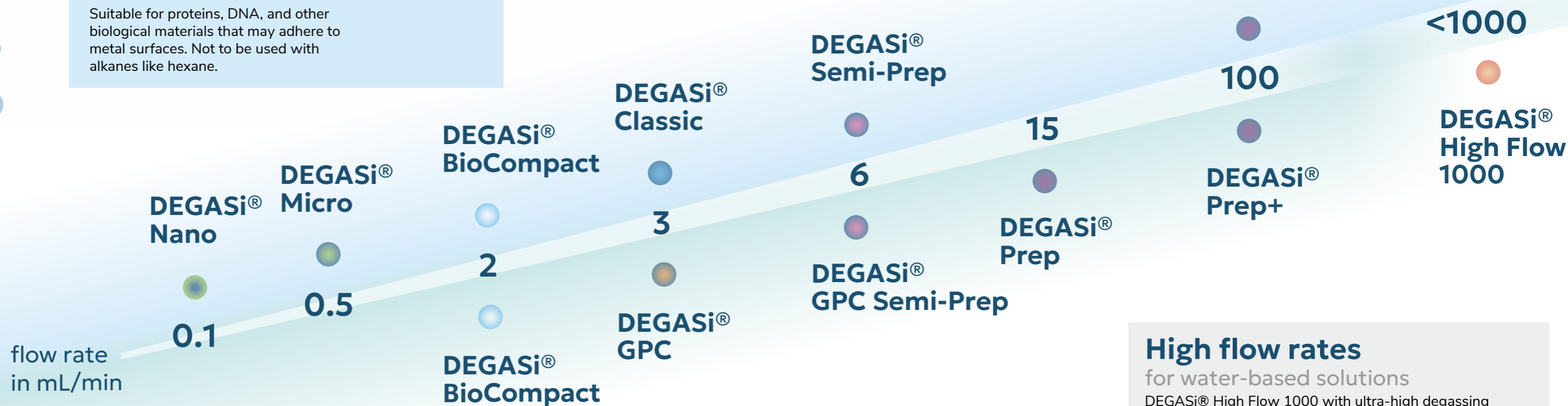
DEGASi® Prep & Prep+

- 1, 2, & 4 Channel Options
- Prep 5-15 ml/min
- Prep+ 10-100 ml/min
- Organic solvent compatible

Biocompatible flow path

metal-free

Suitable for proteins, DNA, and other biological materials that may adhere to metal surfaces. Not to be used with alkanes like hexane.



GPC-compliant flow path

for any organic solvent

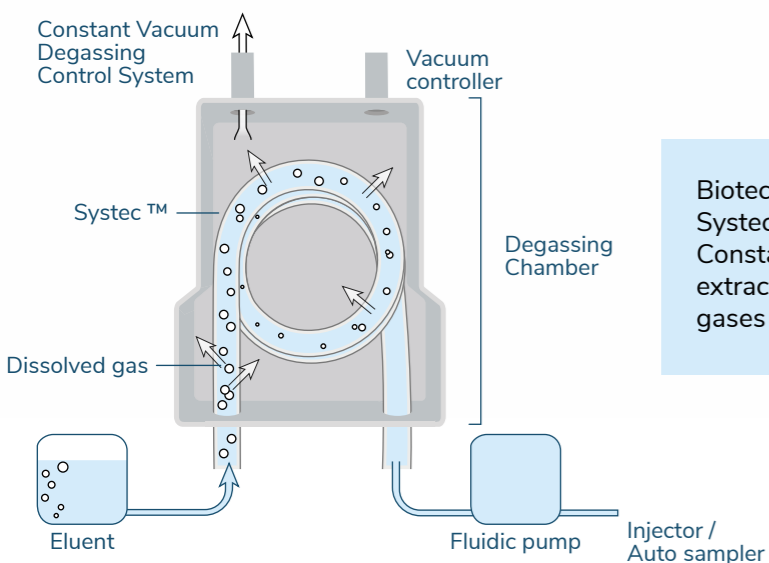
GPC-compatible chambers tolerate all common organic solvents including alkanes (hexane, heptane, pentane) and are the recommended choice for DCM, THF, acetone, etc. Applications involving Hexafluoroisopropanol (HFIP) require DEGASi® HFIP.

High flow rates

for water-based solutions

DEGASi® High Flow 1000 with ultra-high degassing efficiency works at flow rates up to 1000ml/min. Designed for water and water-based solutions like buffers. Can be used with up to 5% water soluble organic solvents.

Getting rid of bubbles - How it works



Biotech DEGASi® degassers use a Systec AF® gas permeable membrane with a Constant Vacuum Degassing Control System to extract dissolved gases out of fluid. The extracted gases are evacuated through an exhaust outlet.

DEGASi® product	50% de-gassing mL/min	Max. flow rate mL/min	ID mm	Swept volume ul	Max. fluid pressure bar (psi)	no. of channels	Solvent compatibility			Part number x = no of channels
							Bio-comp.	Alkanes	HFIP	
DEGASi® Plus series										
Nano	0.1	0.3	0.30	25	1.8 (27)	1-6	Yes	No	No	0003-635X-N
Micro	0.5	10	1.14	100	5 (70)	1-6	Yes	No	No	0003-635X-S
Classic	3	10	1.14	480	5 (70)	1-6	Yes	No	No	0003-635X-A
GPC	3	10	1.14	480	5 (70)	1-6	No	Yes	No	0003-662X
Semi-Prep	6	10	1.14	925	5 (70)	1-6	Yes	No	No	0003-635X-L
GPC Semi-Prep	6	10	1.14	925	5 (70)	1-6	No	Yes	No	0003-662X-L
DEGASi® Integration series										
Nano	0.1	0.3	0.30	25	1.8 (27)	1-5	Yes	No	No	0001-635X-N
Mico	0.5	10	1.14	100	5 (70)	1-5	Yes	No	No	0001-635X-BS
Classic	3	10	1.14	480	5 (70)	1-5	Yes	No	No	0001-635X-BA
GPC	3	10	1.14	480	5 (70)	1-5	No	Yes	No	0001-662X
Semi-Prep	6	10	1.14	925	5 (70)	1-5	Yes	No	No	0001-635X-BL
GPC Semi-Prep	6	10	1.14	925	5 (70)	1-5	No	Yes	No	0001-662X-L
HFIP	3	10	1.14	480	5 (70)	1-5	No	Yes	Yes	0001-662X-HFIP
HFIP Semi-Prep	6	10	1.14	925	5 (70)	1-5	No	Yes	Yes	0001-662X-HFIP-L
DEGASi® BioCompact										
BioCompact	2	4	0.89	285	3 (50)	1-6	Yes	Yes	No	004-X285
DEGASi® Preparative series										
Prep	15	50	1.92	5.4 mL	5 (70)	2 or 4	No	Yes	No	0001-X053
Prep+	100	200	NA	22 mL	3 (50)	1, 2 or 4	No	Yes	No	0001-0X20
Prep+ Large*/XL	100	200	NA	22 mL	3 (50)	1, 2 or 4	No	Yes	No	0001-0X20-L or XL
Prep+ AUX**	100	200	NA	22 mL	3 (50)	1, 2 or 4	No	Yes	No	0001-0x20-SH
High Flow 1000 ***	1000	2000	NA	200 mL	1 (14)	1	Yes	No	No	0003-HF.1000

DEGASi® Plus



DEGASi® Integration



DEGASi® HFIP



DEGASi® BioCompact



DEGASi® Prep



Fluidic connectors are 1/4"-28 female flatbottom unless other stated. DEGASi® Nano; 10-32 coned port.

* Large; 5/16"-24 flat bottom female connectors for 3/16" tubing. XLarge; 1/2"-20 flat bottom female connectors for 1/4" tubing.

** To be complimented with any extra degassing chamber from DEGASi Plus (Micro, Classic, GPC or Semi-Prep, GPC Semi-Prep).

*** Silicone degassing membrane only for water based solutions and bufferst. Barbed end connectors for ID 8 mm tubing.

NO TROUBLES WITH BUBBLES®



DEGASSING & DEBUBBLING