DATASHEET

FLUIGENT
SMART MICROFLUIDICS

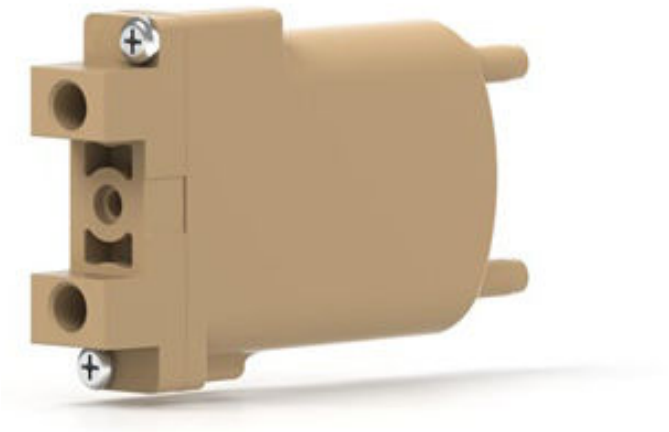
P/N: E-DEGAS-EUP

DEGASSER

MINI DEGASSING CHAMBER

The Degasser was designed to be easy to prime, and is configured with Teflon-AFTM degassing membrane to provide maximum degassing capacity with the absolute minimum internal volume (<3% of PTFE designs with comparable degassing capacity).

- Ultra-high degassing efficiency
- Low volume
- Easy priming



Single Lumen Design

The Single lumen design ensures consistent degassing by avoiding variable flow issues that can be problematic in multi-lumen designs.

Chemical Compatibility

Excellent chemical compatibility with wide range of common solvents.

ADVANTAGES & BENEFITS

Easy to prime

High Chemical Compatibility

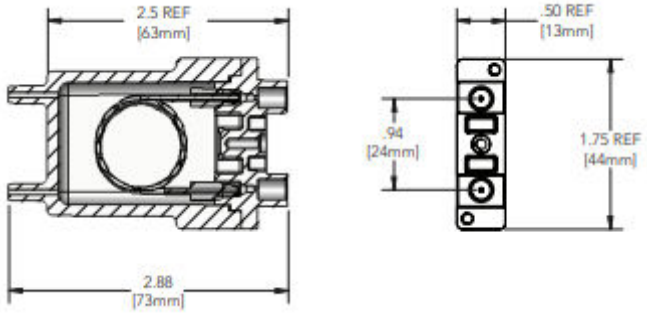
High Degassing Efficiency

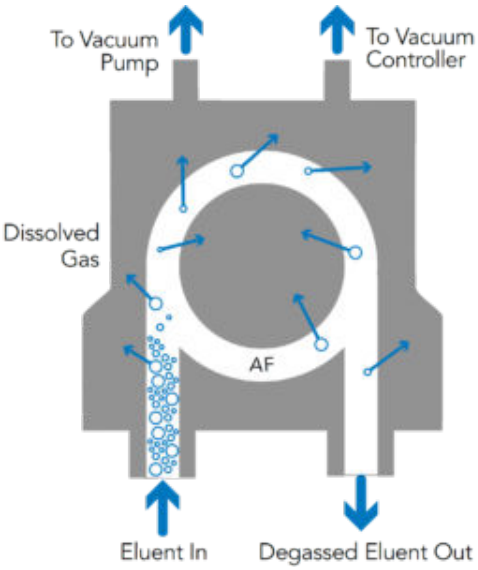
Small Volume

General Specifications

Degassing Channel Tubing:
Systec AF™
Degassing Channel Pressure Rating:
70 PSIG
Wetted Materials:
Teflon™ AF, Teflon™ FEP, PEEK and Glass-filled PPS (Polyphenylene Sulfide)
Vacuum Housing Material:
Glass-fillef PPS (Polyphenylene Sulfide)
Liquid Connection:
¼-28 UNF threaded flat-bottom port

Overall Dimensions





Dissolved gases are actively removed from a flowing liquid stream by vacuum via the Systec AF membrane

Technical Specifications

Length (in)	0.5
Tubing ID (mm)	1.143
Liquid Connections	¼-28 UNF, ¼-28 UNF
Chemical Compatibility	See Solvent Compatibility Chart Below
Height (in)	1.75
Internal Volume Per Channel (µL)	480
Max Flow Rate (mL/min)	10
Recommended Flow Rate (mL/min)	2
Tubing ID (in)	0.045
Width (in)	2.48

DEGASSER SOLVENT COMPATIBILITY

Chemical Compatibility

Degasser solvent compatibility for Degasser.
The following solvents and their compatibility are known. General solvents to be avoided fluorine containing solvents
such as those supplied by Asahi, DuPont, Solvay-Solexis and 3M.

DESCRIPTION	DEGASSER COMPATIBILITY
Acetic Acid, Glacial	Compatible
Acetone	Compatible
Acetonitrile	Compatible
Chlorobenzene	Compatible
Chloroform	Compatible
Dichloromethane	Compatible
Dimethyl Sulfoxide	Compatible
Ether	Compatible
Ethyl Acetate	Compatible
Hexafluoroisopropanol	Incompatible
Hexanes (60% n-Hexane)	Incompatible
Isopropyl Alcohol	Compatible
Methyl Alcohol, Anhydrous	Compatible
Methyl Ethyl Ketone	Compatible
Methyl Isobutyl Ketone	Compatible
Methyl tert-Butyl Ether	Compatible
N,N-Dimethylacetamide	Compatible
N,N-Dimethylformamide	Compatible
n-Propyl Alcohol	Compatible
NMP (N-Methyl-2-pyrrolidinone)	Compatible
Sodium Azide	Incompatible
Tetrahydrofuran	Compatible
Toluene	Compatible
Water	Compatible

Chemical Compatibility

GENERAL CHEMICALS	
Buffers	Compatible[2]
Hydro fluoro solvents	Incompatible
Perfluorinated solvents	Incompatible
Freons	Incompatible[2]
Salts	Compatible[1]

Notes:

1. Concentrated acids and bases, particularly 1 molar or greater may attack PEEK and PPS wetted parts. Exposure to these acids should be avoided.
2. highly concentrate buffer and salt containing mobile phases should be washed from the flow path including the degasser flowpath if the instrument is to be idle for an extended period of time. Particular attention should be paid to not leave such concentrated solutions in an unused flowpath for an extended period. Crystallization may occur resulting in blockage of the flowpath.

The above chemical compatibility information has been obtained from our material suppliers and third party sources. IDEX Health & Science LLC does not perform chemical compatibility testing nor do we guarantee compatibility of any of the materials listed on the sheet.

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