CORNING

The future flows through Corning® Advanced-Flow™ Reactors

G3 Reactor
G3 Reactor
Pilot and production reactor

Features
• Outstanding mixing and heat exchange: patented HEART design
• Large internal volume
• High residence time
• Highly flexible
• Transparent and compatible with a light module for photochemistry
• Seamless scale-up with other Advanced-Flow™ Reactors products
• High chemical durability

Fluidic module size:
310 x 250 mm

Technical Specifications

<table>
<thead>
<tr>
<th>FLOW RATE</th>
<th>TEMPERATURE</th>
<th>PRESSURE</th>
<th>MATERIALS</th>
<th>FLUIDIC MODULE</th>
<th>OPTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>400 to 2000 ml/min</td>
<td>-60°C to 200°C</td>
<td>Up to 18 barg</td>
<td>Glass, PFA, Perfluoroelastomer</td>
<td>60 ml internal volume</td>
<td>ATEX certification, FDA, cGMP compliance</td>
</tr>
</tbody>
</table>

Reactor size:
87 x 47 x 41 cm (L x W x H)

Laboratory

Reaction Volume 1000 x lower

Residence Time Distribution 50 x better
* compared to batch reactors

Mass Transfer 100 x better
Heat Transfer 1000 x better
* compared to batch reactors
Make industrial production real with G3 reactor

- Direct seamless scale up from G1 to G3
- Shorter time to market *
- Low space requirement *
- Easy integration into existing unit
- Turnkey solution
- Technical support from lab test to industrial startup

* compared to batch reactors

EMEA and NSA
Corning S.A.S.
Reactor Technologies
7 bis Avenue de Valvins
CS 70156 Samois sur Seine
77215 Avon Cedex, FRANCE
ph. +33 1 64 69 71 07
fax +33 1 64 69 70 59
reactors@corning.com

CHINA
Corning China (Shanghai) RHQ
No. 358 Lu Qiao Road
Jinqiao Export Processing Zone, Pudong
Shanghai 201206, CHINA
ph. +86 21 22152888 *1408
fax +86 21 621522988
reactor.asia@corning.com

INDIA
Corning Technologies India Pvt. Ltd.
2nd floor, DLF Building 9B
DLF Cyber City Phase III
Gurgaon, Haryana 122002, INDIA
ph. +91 124 4604000
fax +91 124 4604099
reactor.asia@corning.com

www.corning.com/reactors © 2016 Corning Incorporated. All rights reserved