CHIMIA REPORT/COMPANY NEWS

Firmen stellen sich und ihre Produkte vor
Companies present themselves and their products

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Büchi AG – büchiglasuster – leading Swiss manufacturer of reactor systems, pilot plants and process solutions for cGMP API synthesis – from lab through pilot plant/kilo lab to production scale.

With more than 76 years of experience Buchiglas stands for the highest level of quality and reliability. Our offering covers the whole life cycle of the equipment from pre-sales consulting and engineering through manufacturing, installation and IQ/OQ to after-sales services and plant optimization. Our engineered solutions lead to the highest output of your R&D, scale-up/pilot activities and production processes.

Reactors & process equipment for HPAPI synthesis

We specifically design and manufacture glass reactors and process equipment for HPAPI applications. Using specific HPAPI custom designs ensures the highest levels of tightness, cleanability and the seamless integration into any containment solution. Our HPAPI process systems guarantee best process performance and highest levels of safety while keeping operational ease at the highest level possible. Our focus lies with engineered solutions tailored according to your specific process / operational requirements. Our systems are specifically optimized for cGMP manufacturing and fulfill all regulatory requirements for safe operations incl. ATEX. Our reactor systems and process equipment are built with Swiss made highest quality borosilicate glass components and various other components made of highly corrosion-resistant materials such as glass-lined steel, fluoropolymers and Hastelloy®. Our glass piping always remains flexible due to our unique and proprietary flexible joint system "buchiflex". The 3 top advantages of the product line:

- Customized according to your process / operational requirements and integration needs (containment).
- Highest level of cleanability thanks to optimized designs and surfaces.
- cGMP and ATEX compliant.

Reactors for solid-phase peptide synthesis (SPPS)

For decades Buchi has been at the forefront of building pilot and production scale reactors for solid-phase peptide synthesis (SPPS). Our systems are custom designed and made according to your requirements. We offer fully integrated solutions with all auxiliary equipment and automation according to your specifications (incl. recipe control). Our SPPS reactor systems are specifically optimized for cGMP API manufacturing and fulfill all regulatory requirements for safe operations incl. ATEX. Our designs are user friendly and sturdy for day-to-day use and built of highly corrosion resistant materials such as borosilicate glass, glass-lined steel, fluoropolymers and Hastelloy®. For the piping we only use our proprietary flexible joint system "buchiflex". The 3 top advantages of the product line:

- Customized according to your process / operational requirements, incl. auxiliary equipment and automation.
- cGMP and ATEX compliant.
- Easy and safe operation.

Hydrogenation reactors

Buchi hydrogenation reactors are designed for intensive daily use in pharmaceutical labs, pilot plants/kilo labs and production facilities. The main pharma related hydrogenation applications include catalyst screening, scale-up and cGMP production of APIs (from pilot to production scale). Depending on the physical & chemical process specifications and operational & regulatory requirements the appropriate reactor model is selected. In addition to the selection of the model, the individual unit is customized in various dimensions (i.e. material in contact with media, vessel shape, stirrer drive capacity, stirrer shape etc.). Our pressure reactor product range covers vessel sizes from less than 1 liter up to 500 liters and pressure ranges from 6 bar to 1000 bar. We offer fully integrated solutions including all auxiliary equipment and automation. For gas feed/dosing we offer the proprietary Buchi bpc 2 volumetric dosing unit as well as customized solutions based on MFCs. Buchi hydrogenation reactors are best-in-class solutions found in countless pharmaceutical research and production facilities around the world. The 3 top advantages of the product line:

- Built according to your specifications using highly corrosion-resistant materials.
- Modular setup for customized configuration and easy upgrad-ability.
- Highest level of safety and regulatory compliance (PED, ATEX).

Contact

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Pilot Plant and Reactor Systems