

INDIVIDUAL AND EXPERIENCED - BÜCHI AG

Flexible, safe, highest quality - Reactor technology from Uster

Büchi AG in Uster has produced glass and pressure reactors of the highest of quality for more than 60 years for R&D, pilot plant, kilo lab and production. What began as a small technical glass blowing company in the heart of Uster has now grown to become a global company with over 90 employees, which sets new standards in reactor construction with extensive know-how, innovation and technical progress.

Roger Schaad, Marketing, Büchi AG

The company is characterised by long-term customer loyalty, sophisticated and process-oriented engineering and a high degree of flexibility. Büchi AG is always able to react quickly to market opportunities and develop solutions to new, complex problems. With «büchiflex» Büchi AG has a glass connection system that has proven its value in laboratories and plants around the world for many years. Even at different temperatures

and under high vacuum, the system remains absolutely leak-proof and the connection remains flexible. International safety standards and certifications such as the Machinery directive, TA Luft, ATEX, PED and GMP guarantee a high degree of operational safety for the user.

In addition to a large assortment of standard reactors, Büchi AG's strengths clearly lie with the individual conception and plan-

ning of installations for a variety of customer requirements. The engineering expertise at Büchi is represented here by three project examples:

Project example 1: Bachem, Bubendorf

«High reliability, multi-functionality as well as the chemical resistance of Büchi systems allows us to produce high quality intermediates and active ingredients. This versatility has been a persuasive argument for purchasing Büchi systems for over 30 years». This statement from Beat Sax, Vice President Production at Bachem in Bubendorf, shows that a long-term customer relationship is not impossible even in our fast-moving times. Bachem, the peptide manufacturer from the Basel region has successfully worked with a large portfolio of Büchi systems for many years.

Project example 2: Theravance, San Francisco (USA)

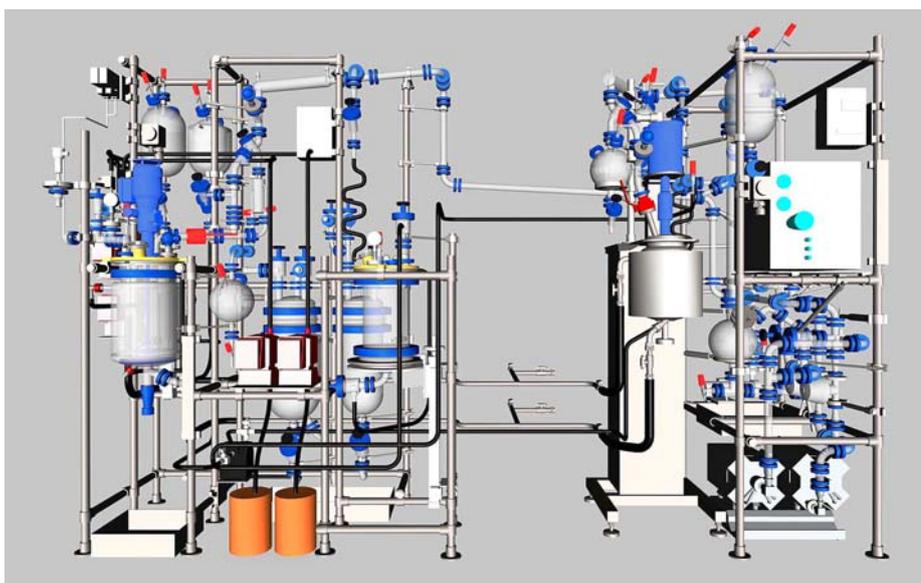
In early 2009 Theravance Inc., a South San Francisco based biopharmaceutical company



Customized SPPS reactor for Bachem.



Customized Büchi facility for Theravance.



3D-Visualisation of the Büchi facility at Teva ratiopharm in Ulm.

came to Büchi with a specification for the development, planning and commissioning of a highly complex system. The project included a sophisticated heating/cooling concept as well as a complex control and automation. To implement the customer's requirements Büchi developed a complete concept together with experienced local partners on-site.

Mr Vijay Sabesan, Senior Director Process Research and Development at Theravance, explains: «Büchi was an excellent partner in this project. We had very specific requirements for the system with regard to space,

the location and configuration. Based on many years of experience, Büchi bought the highest quality components such as heating and cooling units, pumps and frequency converters from various suppliers. Thanks to a very close cooperation between Büchi and Theravance, we managed to fulfil and even exceed expectations. We created exactly the system that we required».

Project example 3: Teva ratiopharm, Ulm

The example from the German customer Teva ratiopharm shows that the engineering capabilities of Büchi AG have almost no li-

mits. Systems from both Büchi product divisions, pressure reactors and glass process equipment, work together in a very confined space in the kilo lab. A kiloclave, a minipilot, a Büchi-filter as well as a gas scrubber all form one unique unit. Dr. Striegel, Laboratory Head at Teva ratiopharm, describes his experiences: «The great advantage when planning the system was that Büchi provided everything from a single source. The merging of the two systems went smoothly and as a sole supplier responsible for the glass process equipment, the autoclave and the complete control, the potential for error was kept low while the quality was kept at a high level».

The limited space provided Büchi designers and engineers a major challenge which was able to be mastered thanks to consistent planning and representation in the 3D CAD system in Uster, but also thanks to the unique connection «büchiflex». The flexibility of «büchiflex» allows the Büchi assembly staff to provide a perfect and fast installation of the system even in limited spaces. «Such challenges inspire us to offer performance at the highest level and maintain long-term successful partnerships for another 60 years», says Daniel Heusser, Head of Sales and Marketing at Büchi. ■

Büchi AG
CH-8610 Uster
Telefon 044 905 51 47
buchi@buchiglas.com
www.buchiglas.com