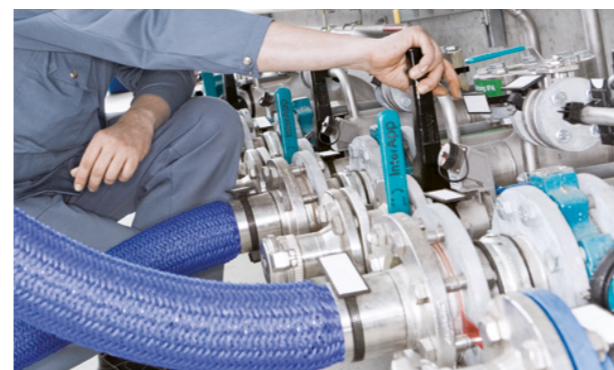


Bachem AG, Bubendorf / Switzerland

Biotech company Bachem relies on
FDA compliant valve technology from InterApp.



Bachem is an independent, technology-based, public biochemicals company providing full service to the pharma and biotech industry. Bachem is specialized in the process development and the manufacturing of peptides and complex organic molecules as active pharmaceutical ingredients (APIs), as well as innovative biochemicals for research purposes.

In addition to sterile processes and biotechnology, pharmaceuticals are often produced by conventional chemical processes as well. Solvents, for example, are used in the preparation of raw materials for both extraction and for various reactions. Once spent, these solvents have to be retrieved and either recycled or disposed of.

Between the spring and autumn of 2008, Bachem AG built a new solvent tank depot for both fresh and spent solvents. The tanks in this depot were fitted with ball valves and butterfly valves made by InterApp AG.

Solvents are often corrosive and in certain aggregate conditions explosive. The ball valves and butterfly valves were installed specifically for use in the ex-zone (outside: Zone 1 IIB T4 / inside: Zone 0 IIB T4).

The gasket materials used on the tanks containing fresh solvents, moreover, had to meet the requirements of the American Food and Drug Administration (FDA).

This kind of application calls for maximum safety and reliability.

Type BVC21 compact ball valves with hand levers and pneumatic actuators were used for the fresh solvent tanks.

Bianca LUG-type butterfly valves with 316L disks and a conductive, black fluoro-plastomer liner were used for the larger apertures – from DN50 to DN200. These valves are fitted either with a hand lever or with a pneumatic actuator and in some cases with a feedback unit. The gasket which has contact with the product complies with the FDA requirements.

Bianca LUG-type butterfly valves were used for the spent solvent tanks as well, but this time with a black, conductive disk with the same drive units as those used on the fresh solvent tanks.

InterApp fulfilled customer needs according to FDA, ATEX-conformity and certification.

InterApp is a subsidiary of the international AVK Group and develops, produces and distributes valves and valve systems. As a customer-focused technology and project management company, InterApp supplies the most innovative fluid technology solutions for the most sophisticated applications and industry sectors in the world.

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