

## **PRESSEMITTEILUNG PRESSINFORMATION**

### **BLÜCHER GROUP**

Blücher GmbH in Erkrath, still in family hands, can look back over a history that spans forty years.  
The protection of life is always in the focus of all our activities.

The core business of Blücher GmbH is the development and production of high-efficiency filter technologies. Based on spherical, high-performance adsorbents – in principle similar to activated carbon, but superior in their performance – pollutants, odours and other unwanted substances are reliably filtered out of gases and fluids and safely bonded.

Based on long lasting experience in the development and production of protective clothing for military and first responders, we are now also focussing on industrial and medical application.

Blücher has developed very special and unique production methods that allow product characteristics such as shape, mechanical and adsorptive capacities to be individually customised for optimum performance across a huge range of highly demanding applications. The combination of flexibility and hyper-performance is one of the reasons for Blücher's global technological leadership in spherical high-performance adsorbents.

These spherical adsorbents are very porous. The structure produces an immensely large internal surface on which substances can safely be deposited.

The net result is a truly high-tech system that knows no equal in terms of efficiency, flexibility and above all, safety in its protective effect.

Successful innovations demand the most modern and efficient production methods. The Blücher Group manufactures its core components solely in its own state-of-the-art plants in Germany and the US. The entire range of the production process starting from raw materials through to intermediate products all the way up to sophisticated system solutions is in Blücher hands and is constantly monitored by and in its own in house laboratories.

This ensures that the high quality standards are always met and that no deviations or inaccuracies can creep into the process. These checks continue right up until the finished product, which is then ultimately inspected and approved by independent, internationally recognised institutes.

This self-contained production process makes it possible to develop customised product solutions at any time and to the very highest degree of precision.

**BLÜCHER**<sup>®</sup>  
Innovation since 1214

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**BLÜCHERGROUP**<sup>®</sup>

Blücher filter technologies are used wherever undesirable or even hazardous pollution has to be eliminated. The range is very varied, from odour adsorption, air and water filtration right through to personal protection against chemical and biological toxins.

### Life Protection

Research, development and innovation have made Blücher a world market leader for CBRN protection. Over 10 million of Blücher's SARATOGA® brand protective suits and systems in over 40 countries speak for themselves. Even the most demanding task forces, including OPCW inspectors who are confronted with the CBRN hazards every single day, rely on SARATOGA® from Blücher as well as 21 out of 28 NATO members. The SARATOGA® systems include not only CBRN but also ballistic protection, as well as protection against foul weather, fire and cold. Integrated ventilation systems as well as a minimum of weight reduce the physical strain and guarantee a maximum of flexibility. What's more, SARATOGA® protective suits can be put on quickly and easily.



Together with Blücher Systems, we develop an integrated protection system for civil defence, military and police use. Here we are the development partner and subsystem distributor in a number of future soldier programmes, including the IdZ – infantryman of the future – for the German Bundeswehr. The IdZ System is based on modular combat equipment, which uses the latest technology to improve the performance of the soldiers. Furthermore Blücher Systems is specialized in terms of personal camouflage and camouflage of objects, in particular protection against detection in FIR and radar.

### Clean water, the elixir of life

The level of pollution in drinking water from industrial effluents as well as residues from pharmaceuticals and chemicals is rising.

This development is accompanied by growing demands on drinking water and the needs from industry for increasingly high-purity water for its production processes. Thanks to their purity, excellent adsorptive properties and mechanical strength, SARATECH® adsorbents are singularly ideally suited for perfect ultrapure water filtration.

It does not matter whether the pollution of the water is caused by pharmaceutical or organic micro elements, SARATECH® technology always guarantees the highest reliability.

### A breath of fresh air

The SARATECH® filter technology brand from Blücher provides clean air in aircraft and also in specialised vehicles that are deployed in environments that are hazardous to health.

The applications for SARATECH® odour adsorbents that can be found in supporting roles relating to domestic equipment and air-purifying devices also guarantee a better quality of life.

SARATECH® products are even used in demanding industrial production processes that require the cleanest of air environments, such as semiconductor production.



### A healthy living and working environment

The architectural blunders of past years still have far-reaching consequences. Contaminated buildings have to be completely remediated or even demolished. But this is not efficient from an economic point of view.

The special "Permasorb" wallpaper provides a fast, affordable and reliable remedy. Pollutants such as PCBs or PCPs in the walls are firmly and permanently bonded by the highly activated adsorbents. This restores a healthy climate inside rooms.

### Invisible at the hunt

Our hunting apparel OUTFOX with an integrated high-tech filter verifiable reduces the human scent for the animals. Thus the wearer will become olfactively invisible.

Hunters, adventurers and wildlife observers can concentrate on the essentials – and enjoy a whole new closeness to nature.

## **Tailored problem solving**

As a result of our unique production processes the properties of the adsorbents can be individually adapted and tuned to meet a vast range of requirements, needs and applications. Product characteristics such as shape, mechanical and adsorptive properties can be individually determined and realised for specially tailored problem solving.