WE LEARN FROM YOU EVERY DAY –
AND THINK OUTSIDE THE BOX.

When it comes to dealing with liquids and gases, Bürkert has become a sought-after partner all over the world. Why? Probably because we have been learning from and with our customers for more than 70 years now. This enables us to always think that crucial step ahead and around the bend.

We make ideas flow.

Huntsman Textile Effects GmbH
Plant modernization in an explosion protection environment
Focus on safe technology
Production facilities in which flammable and explosion-risk materials are used require comprehensive maintenance and fail-safe technology. At Huntsman, this is reflected in the modernisation programme, where the replacement of outdated control technology is one of the main objectives. The aim is to design a decentralised solution for controlling process valves with a view to replacing the old valve control systems.

Focus on safe technology

More than just a control cabinet
The control cabinet system solution for the pneumatic automation system of the process-related plant sections means that, in combination with the newly introduced Emerson DeltaV process control system and the WAGO PLC level, the plant engineering is now state of the art. As part of this modernisation programme for the boiler plant, a completely prewired, ready-to-connect and ATEX certified control cabinet solution system for the field automation was installed, including interlocks, and intrinsically safe valves: This system comprises the Type 8616 control cabinet (ATEX Zone 1 approved), with a Siemens decontaminated ET 200SP peripheral system and a Type 8640 valve block with Type 5318 safety valves and the Type 8650 valve island. This solution take up considerably less space and is easier to install. In addition, the customer commissioning expert ensures that the system to switch over to an external pressure accumulator if the compressed air or electricity supplies fail. When you have the best products from a single source for Huntsman! Engineering, procurement, assembly, documentation and certification of entire control cabinets. Of course, this includes all the individual customer requirements, bearing ATEX standards and guidelines in mind right from the start. Where can you get more service than that into this development phase to certification of the control cabinets, just one partner supplies all that is required.

Focus on safe technology

Did you know?
Bürkert’s Type 8650 valve island is designed in such a way that valves and electronic modules can be replaced while the system is still operational and running without interrupting the system operation. In this way, it is under pressure and electrically live. Integrated type return systems ensure better process stability.

Focus on safe technology

The size of the valves in the old Bürkert cabinets meant that only a limited number of pneumatic signals were possible. The “0/1” wiring was also a great deal more complicated. The new solution greatly reduces the space and installation work involved, because only the electricity supply and Profibus cable need to be connected.

Focus on safe technology

How you benefit from Bürkert solutions for pneumatic automation systems:

Everything from a single source: From the development plan to the certification of the control cabinets, just one partner supplies all that is required.

High space and installation requirements: The intake air is delivered as a preamed gas, avoiding leakage and increa sing plant availability. Safety valves are minimised thanks to a regulated non-return valve and 1-channel shut-offs.

Fulfilment of directives and ATEX standards: Bürkert provides plant ready-certified and with a type examination certificate.

Better process reliability: The intake air is delivered as a preamed gas, avoiding leakage and increasing plant availability. Safety valves are minimised thanks to a regulated non-return valve and 1-channel shut-offs.

Power distribution: The signal inputs and outputs of the ET 200SP and the valves used in the control cabinet are intrinsically safe. This means that maintenance can also be carried out during operation and under ATEX conditions. The high plant availability is optimised through the pneumatic plant ready-certified and with a type examination certificate.

Low space and installation requirements: The decontaminated ET 200SP peripheral system is supplied to the customer through the integration of suitable and intrinsically safe valves in the control cabinet.

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