



THE STRONGEST LINK.



PROTECTING YOUR EQUIPMENT IN HAZARDOUS LOCATIONS IS THIS SIMPLE

Modular enclosure pressurisation with the R. STAHL Ex p System

SIMPLE HANDLING – OPTIMUM SAFETY

Our new Ex p System x621 makes it even easier to upgrade your existing industrial control system for Ex zones – with a fully automatic and reliable solution that can be easily mounted to existing enclosures.

The system consists of three components, which together guarantee positive-pressure protection. The purge air is first fed into the housing via a **purge valve**. The **pressure monitors** that guide the purge air out of the enclosure again are positioned in such a way that they ensure optimum airflow inside – always supported and regulated by the **controller**. These components have a space-saving design and can also be mounted to the outside of the enclosure. This means the amount of space inside your control cabinet remains unchanged.

The essential point here is that the pressure monitors allow for a minimal pressure load on the enclosure. This enables the system to provide very short purging times, even with wall thicknesses below 2 mm, and all by using the exact same components, just installed in appropriate quantities and positions.

R. STAHL Ex p System

Your benefits:

- One design for all Ex zones
- Optimised maintenance access thanks to Ex p bypass circuitry
- Maximised plant availability thanks to improved airflow
- Space-saving thanks to miniaturised design and ability to mount components externally
- Wall thicknesses <2 mm also possible thanks to minimised control cabinet pressurisation
- Flexible engineering thanks to modularity



Ex p controller

Always guarantees optimum pressure control for your application

Ex p protection

Pressurised enclosures are protected by a slight overpressure inside them. This completely prevents the ingress and ignition of potentially flammable atmospheres – in contrast to Ex d type enclosures, which aim to minimise the consequences of an ignition. In other words, Ex p enclosures provide a safe system with fewer material expenditures and less engineering effort.

Ex p purge valve

Feeds purge air into the control cabinet and guarantees safety in line with the Ex p standard

Ex zone
1, 2, 21
or 22

Temperature
- 30 °C
+ 60 °C

IP65/66

Up to
4 m³
interior
volume

Super-simple
parameter-
isation



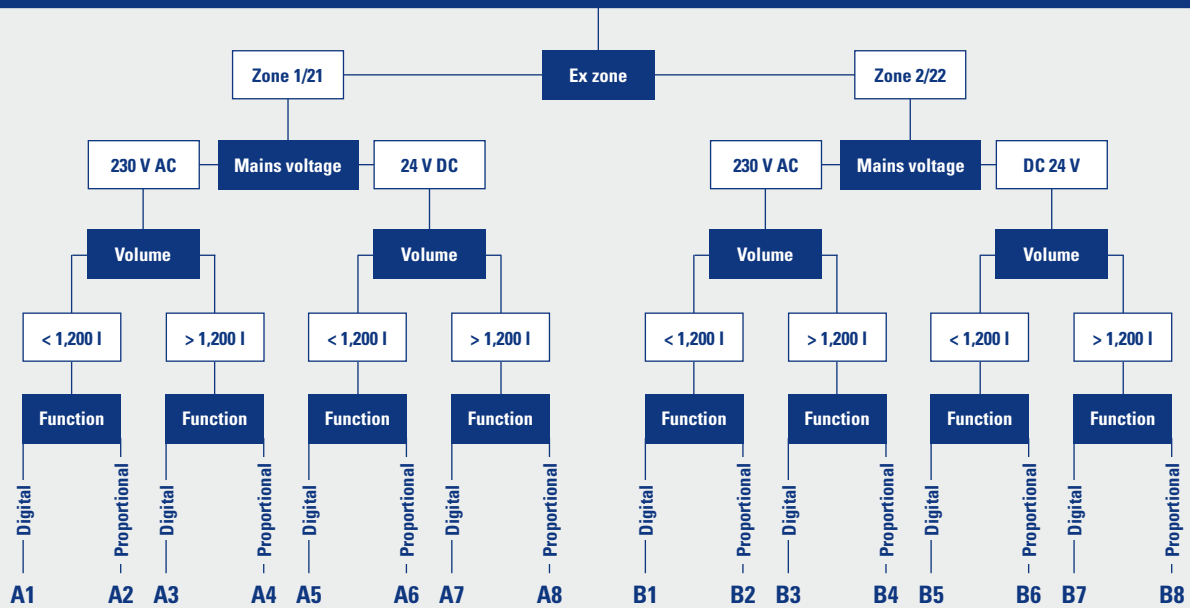
Ex p pressure monitor

Optimises airflows, purging times and pressure load

YOU CHOOSE – WE PROTECT

Our modular concept enables you to select a custom-built Ex p system for each zone, each application, any power supply and any size of cabinet.

R. STAHL Ex p System



Product	Product type
A1	8621/11-1000-0000
A2	8621/11-1000-0010
A3	8621/11-1000-0100
A4	8621/11-1000-0110
A5	8621/11-1020-1000
A6	8621/11-1020-1010
A7	8621/11-1020-1100
A8	8621/11-1020-1110

Product	Product type
B1	7621/11-1000-0000
B2	7621/11-1000-0010
B3	7621/11-1000-0100
B4	7621/11-1000-0110
B5	7621/11-1020-1000
B6	7621/11-1020-1010
B7	7621/11-1020-1100
B8	7621/11-1020-1110

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