



■ The company ROSE Systemtechnik GmbH

ROSE Systemtechnik GmbH was founded in Porta Westfalica, Germany, in 1969 and is today one of the world's leading and innovative providers of industrial enclosure system engineering, employing over 350 staff.

In association with Phoenix Mecano AG, Switzerland, we develop and manufacture high-quality industrial enclosures and system solutions for the areas of mechanical and plant engineering, automation engineering, potentially explosive atmospheres, instrumentation, control and automation technology, as well as the food and beverage industry.

Our product range comprises the following.

- Standard industrial enclosures made of aluminium, stainless steel and plastics for individual installations of electrical connection technology and electronic components.
- Operating and display enclosures based on aluminium profile systems and stainless steel materials for HMI applications with industrial PCs, PLC control systems and visualisation units including delivery systems.
- Components for explosion protection with junction boxes and control stations for worldwide use in potentially explosive atmospheres, as well as the petrochemical and chemical industry in both onshore and offshore environments.

Our business success is founded on a wide range of products, a high quality standard, constant innovation and an exceptional level of service.

You decide the condition of delivery – the unmachined enclosure, a partial assembly or a completely assembled and tested customised system solution.



■ Ex EQUIPMENT
English Version



■ www.rose-pw.de



■ Stainless Steel Ex

- High-quality enclosure systems for aggressive environments in on- and offshore fields
- Operation: for individual assemblies in the gas and dust explosion protection segments (Ex e / Ex ia / Ex tb) and as incomplete equipment (-U)
- Execution: enclosure with screwed lid, hinged door and flange enclosure, window optional
- Ex enclosure range in sizes from 100 x 100 x 61 to 980 x 740 x 205 mm; special dimensions on request, up to 1,200 x 2,000 x 300 mm
- Approvals: ATEX, IECEx, TR-TS, INMETRO, UL (NEC 505), others on request



■ Polyester Ex

- Glass fibre reinforced polyester enclosure systems for use in all explosive atmospheres
- Operation: for individual assemblies in the gas and dust explosion protection segments (Ex e / Ex ia / Ex tb) and as incomplete equipment (-U)
- Execution: enclosure with screwed lid, cabinets and flange enclosure
- Window optional
- Ex enclosure range in sizes from 75 x 80 x 56 mm to 605 x 405 x 252 mm
- Approvals: ATEX, IECEx, TR-TS, INMETRO, UL (NEC 505), others on request



■ Polyester Ex Mining

- Glass fibre reinforced polyester enclosure systems for use in the mining industry
- Operation: I M1 and I M2 certification for individual assemblies
- Execution: Enclosure with screwed lid and impact resistance of 20 joules
- Window optional
- Ex enclosure range in sizes from 75 x 80 x 56 mm to 405 x 400 x 200 mm
- Approvals: ATEX



■ Aluminium Ex

- Enclosure systems made of aluminium for use in all explosive atmospheres
- Operation: for individual assemblies in the gas and dust explosion protection segment (Ex e / Ex ia / Ex tb) and as incomplete equipment (-U)
- Execution: Enclosure with screwed lid, window optional
- Ex enclosure range in sizes from 64 x 58 x 34 mm to 600 x 600 x 202 mm
- Approvals: ATEX, IECEx, TR-TS, INMETRO, UL (NEC 505), others on request



■ Ex d Enclosure Series EJB (Ex d IIB+H₂)

- Ex d aluminium enclosure for installation of non-certified components
- Operation: for use in IIB gas segment, hydrogen atmospheres (H₂) and dust explosion areas (Ex tb)
- Temperature classes: T6/T5
- Ex enclosure range in sizes from 220 x 170 x 152 mm to 980 x 680 x 487 mm
- Approvals: ATEX, IECEx, EAC



■ Ex d Enclosure Series IJB (Ex d IIB+H₂)

- Ex d aluminium enclosures with internal flameproof joint for installation of non-certified components
- Operation: for use in IIB gas segment, hydrogen atmospheres (H₂) and dust explosion areas (Ex tb)
- Temperature classes: T6/T5/T4
- Ex enclosure range in sizes from 320 x 220 x 223 mm to 630 x 530 x 288 mm
- Approvals: ATEX, IECEx, EAC



■ Ex d Enclosure Series GUB (Ex d IIC)

- Ex d aluminium enclosure for installation of non-certified components
- Operation: for use in IIC gas segment, hydrogen atmospheres (H₂) and dust explosion areas (Ex tb)
- Temperature classes: T6/T5/T4
- Window optional
- Ex enclosure range in sizes from 220 x 220 x 182 mm to 470 x 470 x 247 mm
- Approvals: ATEX, IECEx, EAC



■ Ex d Enclosure Series TBE (Ex d IIC)

- Ex d stainless steel enclosure GUB for installation of non-certified components and terminals
- Operation: for use in all gas segments (IIC) and dust explosion areas (Ex tb)
- Temperature classes: T6/T5
- Ex enclosure range in sizes from 135 x 135 x 108 mm to 600 x 600 x 334 mm
- Approvals: ATEX, IECEx, EAC



■ Ex e Control Stations

- Customised control enclosures assembled with push-buttons and pilot lamps
- Basic enclosures made of aluminium, polyester and stainless steel
- Approvals: ATEX, IECEx, TR-TS, INMETRO, UL (NEC 505), others upon request



■ Ex d Control Stations

- Customised control enclosures assembled with push-buttons and pilot lamps
- Basic enclosures made of aluminium and stainless steel
- Approvals: ATEX, IECEx, EAC



■ Customized Ex Special Solutions

- Individual system solutions for field bus applications and other ex applications
- Basic enclosures made of aluminium, polyester and stainless steel
- Ex e nAnL approval, etc.
- Operating range: zone 1, zone 2, zone 21 or 22



■ Ex Cable Glands / Accessories

- Execution: for all ex applications in on- and offshore environments
- Glands for standard and reinforced cables
- Glands with Ex e, Ex d, Ex nR approval
- Glands with metric and NPT connection threads
- Ex-approved blind plugs, adapters and reducers



■ System solutions for safe ex applications

ROSE Systemtechnik GmbH is a leading manufacturer of explosion-proof enclosure systems and control stations for applications in on- and offshore environments.

Our core competence is the safe packaging of electronics and electrical components around the enclosure.

When selecting corresponding accessory parts such as terminals and glands, we use the know-how of specialised providers that manufacture and deliver safe and reliable products for potentially explosive atmospheres.

ROSE Ex enclosure systems are suitable for global areas of use in gas and dust protection and offer safe protection for the installed electrical system / electronics.

- Executions:
- Ex empty enclosures for individual assemblies with electronics and electromechanics
 - Ex e / ia junction boxes for distribution of electricity
 - Ex control stations as individually configurable on-site control units
 - Flameproof Ex d enclosure systems
 - Ex accessories

■ Approvals

