



We are the technology leader in our specialized field.

PROTEGO®- A brand that sets new standards.

PROTEGO® manufactures and distributes safety devices and tank equipment for:

- process plant engineering
- mineral oil, chemical, and pharmaceutical industries
- bio-energy industries

A strong partner worldwide.

- Research & Development
- Engineering Service
- Academy
- PROTEGO® Authorized Repair Center (PARC)
- QuEST and Augmented Reality



Research & Development since 1954.

Our products stand for high quality and safety.

PROTEGO® World Team

PROTEGO® is a world market leader operating with a large global network of subsidiaries and representatives. The PROTEGO® Team consists of over 600 employees in multiple locations worldwide. With 12 distribution and after-sales service companies, as well as 120 representatives on all continents, we find solutions for even the most diverse challenges of our customers.

PROTEGO® operates the world's largest research and development center

for further development of our products, general research projects, and customized special developments of flame arresters. PROTEGO® has been testing all types of flame arresters since 1954. Our one-of-a-kind testing facility has the necessary test gases, equipment, and experienced technical staff to conduct safe explosion and fire tests, which enables us to service our customers by developing and optimizing devices for protection against:

- overpressure and vacuum;
- deflagrations;
- detonations; and
- fire.

PROTEGO® products are developed in accordance with both European and international standards, and our customers benefit from our experience and expertise, which continues to be proven with successful tests and approvals from independent third-parties.

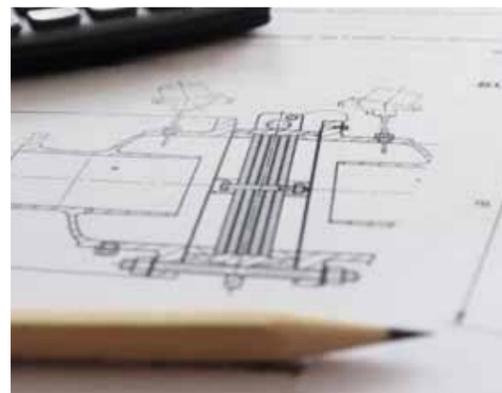
State-of-the-Art Flow Test Facility

Our products stand for quality and safety. The world's largest flow test facility of its kind, it is also an indispensable tool for internal research and development to enable correct scientific measurement of flow and meet specific customer requirements. All PROTEGO® valves and flame arresters are flow tested to ensure safe operation in the plant.

Engineering Service

We assist our customers with detailed tank modelling and safety analyses beyond the application of PROTEGO® devices. Our areas of expertise include:

- Tank protection against normal and intense weather conditions
- Decision guidance for the insulation of tanks and pipelines
- Prevention of vapor collapse in tanks
- Safe and cost-efficient product loss reduction



PROTEGO® Academy - Skilled and Competent through Advanced Training

The PROTEGO® Academy organizes special training courses which provide our customers the ability to improve their skills and expert knowledge of Protective Systems in hazardous areas. So as a manufacturer of Protective Systems, we contribute to preventative plant safety strategies and play a key role in customer awareness training.

Content of Training Courses

- Safety fundamentals, awareness training, and typical applications.
- Demonstration tests at the PROTEGO® Research and Development Center to establish a detailed and better understanding.
- Hands-on maintenance of PROTEGO® valves and flame arresters on key models (detonation flame arresters, pressure and vacuum relief pallet valves, pressure and vacuum relief diaphragm valves).
- Setting and measuring of set pressure and leakage rates on production test rigs.



Targets of Training Courses

- Customers acquire know-how and expert knowledge as expertly qualified individuals in explosion protection with specific regard to Protective Systems. Customers are also introduced to the approach of designing and sizing of PROTEGO® valves and flame arresters, and training is provided on safety-related basics. Guidance and instruction are given on using PROTEGO® Installation and Operating Manuals.
- Customers gain know-how, expert knowledge, and become highly qualified individuals in explosion protection pursuant to German Industrial Safety Ordinance (BetrSichV) § 14 Subs 1 3 and § 15, as well as TRBS (German Technical Rules for Operational Safety) for protective systems for use as intended in hazardous areas.

PROTEGO® Authorized Repair Center (PARC)

We have built a network of PROTEGO® authorized service partners over the last several years who can assist with and manage maintenance procedures on site. PARCs, being certified service partners, meet the requirements of the PROTEGO® Works Standard in the fields of human resources, organization, workshop equipment, machinery, and quality and environmental management.





PROTEGO® QuEST

Quick Engineering and Sizing Tool

PROTEGO® QuEST is the software for the sizing and selection of our venting devices and flame arresters.

PROTEGO® Augmented Reality

We currently have a PROTEGO® App in the Beta stages which enables the on-site service technician to recognize the corresponding valve and retrieve related information and maintenance videos. Instructions on the entire process from delivery, installation, commissioning, and maintenance while maintaining the appropriate safety precautions, are detailed in the app.



Contact

PROTEGO® Headquarters
Braunschweiger Flammenfilter GmbH
Industriestr. 11
38110 Braunschweig
Germany
phone: +49 (0) 5307 / 809-0
e-mail: office@protego.com
web: www.protego.com



for safety and environment