

PROTEGO® Technology Leader

for Flame Arresters and Tank Vents



Flame Arresters

- End-of-Line Applications
 - Deflagration Flame Arresters
 - Endurance burning-proof Arresters
- In-Line Applications
 - Deflagration Flame Arresters
 - Detonation Flame Arresters



Conservation Vents

- Pressure/Vacuum
 - End-of-Line
 - In-Line
 - End-of-Line with integrated Flame Arrester
- Specialty Vents
- Pilot operated Valves
- Emergency Relief Vents



PROTEGO® USA, Inc.

- Was founded in 2002
- Is one of 11 subsidiaries of Braunschweiger Flammenfilter GmbH with its head office in Germany
- Employs 25 people locally in the areas of sales, engineering, quality management, manufacturing, logistics, and shipping
- Is centrally located – more than 40 agencies in the USA and Canada
- Assembly, Manufacturing, and Sales
 - Pressure Vacuum Vents up to 12"
 - Emergency Relief Vents up to 24"
 - In-Line Flame Arresters up to 12" (NEC B, C, D)
 - Repairs to all PROTEGO® models
 - Replacement FLAMEFILTER® discs up to 24"
 - Application engineering
 - Sales training

Technology Leader for Vents

PROTEGO® 10% Lift Technology.
Standard in each PROTEGO® Valve.

- Vents reach full lift with 10% overpressure, similar to high pressure safety relief.
- Higher pressure and deeper vacuum set points mean vents stay shut longer.
- Product loss and unwanted emissions are reduced.
- Leakage rates better than API standards.



Value

Our safety-technical devices protect your assets... and PEOPLE.

Research and Development

PROTEGO® operates the world's largest research facility for Flame Arresters and Tank Vents. Developing customer-specific solutions is a specialty.

Quality

- Certified according to ISO 9001:2015
- The PROTEGO® standard exceeds the required API standard
- Accurate quality control of all products, from design to delivery
- Prior to delivery, the leakage rate and the set pressure are examined on our valve test stand
- Special tests as PMI test, dye penetration testing, non-destructive materials testing

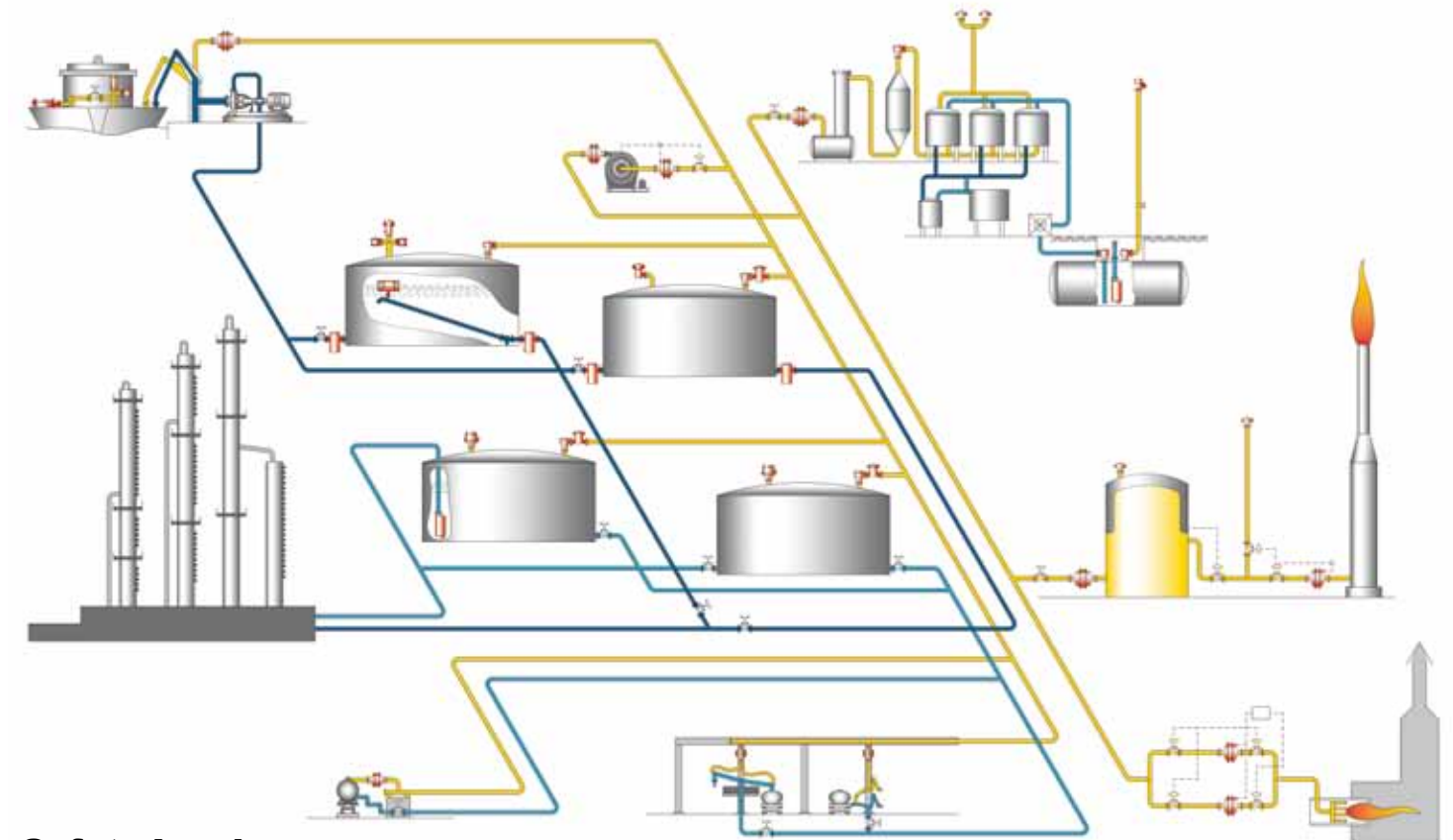


Technology Leader for Flame Arresters

PROTEGO® Flame Arresters are used wherever gases or vapors are explosive and liquids are flammable.

Flame Arresters are designed to allow the flow of gases and to prevent flame transmission.

- modular design allows replacement of a single FLAMEFILTER®
- easy maintenance
- low pressure drop



Safety Leader

With more than 60 years' experience in chemical, pharmaceutical, oil & gas industries, the PROTEGO® brand is directly associated with excellence and providing process safety based solutions.

PROTEGO®

Special Applications

Engineered devices for special applications



Internal Safety Valve PROTEGO® SI/DP



DMT Applications: Superheated Valves



Ethylene Oxide Applications: PROTEGO® DA-SB-EO



Acrylate Applications: PROTEGO® UB/SF

Our main objective is to have competent consulting services for technical issues with a broad range of requirement-based services for our products.

PROTEGO® QuEST - Quick Engineering and Sizing Tool

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



Contact

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