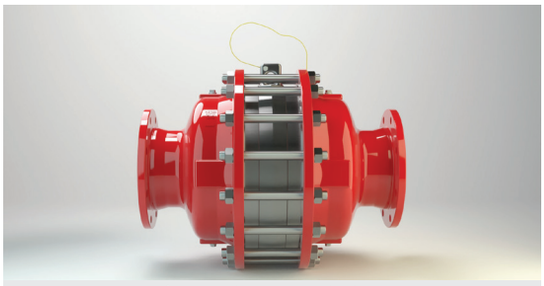
PROTEGO® DA- Series Bi-Directional Detonation Flame Arresters with Patented Shock Wave Guide Tube Effect



PROTEGO® DA/SB Bi-directional Flame Arrester

Wide range of sizes and materials

APPROVED FOR USE WITH IIA, IIB3 & IIC VAPORS

FEATURES & BENEFITS

- Multi-Disc **FLAMEFILTER®** System: Individual 10 mm thick **FLAMEFILTER®** element for effective cleaning, reduced spare parts cost, reduced downtime and lowest cost of ownership
- Accessible **FLAMEFILTER®** Enclosing Cage: Dissasembles for removal of each 10 mm thick **FLAMEFILTER®** disc if necessary.
- Shock Wave Guide Tube Effect: Results in smaller **FLAMEFILTER®** unit, reduced clogging and low pressure drop
- Bi-directional

STATE OF THE ART TECHNOLOGY

PROTEGO® DA-Series bi-directional Detonation Arresters are designed and tested to prevent flame propagation (deflagrations & detonations) in vapour piping systems. **PROTEGO®** Detonation Arresters use the patented **Shock Wave Guide Tube Effect** which breaks down the high pressure shock wave that is associated with a detonation. This design allows for a smaller **FLAMEFILTER®** unit resulting in excellent flow capacity with minimal pressure drop. The multiple individual 10 mm thick **FLAMEFILTER®** discs can be easily removed from the enclosing cage which allows for efficient and effective cleaning, eliminating the need to replace the entire **FLAMEFILTER®** element as is often required with other manufacturers' arresters.

Tired of Detonation Arresters with High Pressure Drop & Difficult Maintenance?

APPLICATION:

- **PROTEGO®** DA-Series Detonation Arresters have standard models tested for both stable and unstable detonations at Pre-Ignition Process Conditions of 1.1 bara and 60°C. Arresters are also available **fully type approved** for elevated process temperature and elevated pressures.

TESTING:

- **PROTEGO®** detonation arresters are **type approved in accordance with EN ISO 16852 / ISO/IEC 80079-49.** Other third party test approvals include USCG. Please contact **PROTEGO®** for details on approvals for specific devices.

OPTIONS AVAILABLE INCLUDE:

- Condensate, pressure monitoring, or temperature sensor connections
- Heating jackets
- Eccentric housing
- Internal heating coils and cleaning nozzles
- Ultra maintenance friendly

STANDARD MATERIALS OF CONSTRUCTION:

- Carbon steel
- Stainless steel
- ECTFE coated housings

Available for all explosion groups

FOR QUESTIONS FEEL FREE TO CONTACT US! OUR **PROTEGO®** TEAM IS HAPPY TO ADVISE YOU!

PROTEGO® HEAD OFFICE

Braunschweiger Flammenfilter GmbH
Industriestraße 11, 38110 Braunschweig, Germany

Phone: +49 (0) 5307 / 8090
Email: office@protego.com

WWW.PROTEGO.COM

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