

PROTEGO

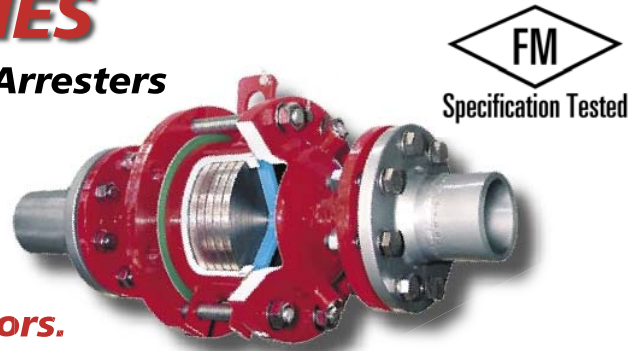
F O R S A F E T Y A N D E N V I R O N M E N T

TIRED OF DETONATION ARRESTERS WITH HIGH PRESSURE DROP & DIFFICULT MAINTENANCE?

PROTEGO DA - SERIES

**Bi-Directional Detonation Flame Arresters
with Patented
Shock Wave Guide Tube Effect**

**Approved for use with
NEC Group "B", "C" and "D" Vapors.**



Features & benefits

- Multi-Disc Flame Filter System: Individual 0.4" (10mm) thick flame filters for effective cleaning, reduced spare parts cost and lowest cost of ownership
- Accessible Flame Filter Enclosing Cage: Disassembles for removal of each 0.4" thick flame filter disc
- Shock Wave Guide Tube Effect: Results in smaller flame filter package, 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 vapor 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 flame filter package resulting in excellent flow capacity with minimal pressure drop. The multiple individual 0.4" thick flame filter discs can be easily removed from the enclosing cage which allows for efficient and effective cleaning, eliminating the need to replace the entire flame filter element as is often required with other manufacturers' arresters.

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applications

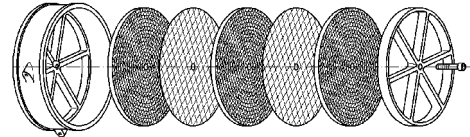
PROTEGO DA-Series detonation arresters have standard models tested for both stable and unstable detonations at Pre-Ignition Process Conditions of 16 psia and 140°F. Arresters are also available for elevated process temperature up to 392°F and elevated pressure up to 31 psia.

testing

PROTEGO detonation arresters are tested by one of the following independent Third Parties, FM, USCG, PTB or IBEXU. Please contact PROTEGO for details on approvals for specific devices.

options available include

- condensate and / or temperature taps
(flanged or threaded)
- pressure taps
- heat jackets (external or internal)
- eccentric housing
- internal heating coils and cleaning nozzles



standard materials of construction

- Carbon steel
- stainless steel
- ECTFE coated housings
- hastelloy C



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