



DEFLAGRATION FLAME ARRESTER

MODEL 7598



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The Groth Model 7598 is an In-Line Horizontal Deflagration Flame Arrester designed to inhibit flame propagation in gas piping systems and to protect low pressure tanks containing flammable liquids. Arresters protect low flash point liquids from external sources of ignition to help provide increased fire protection and safety.

Technical Details

- Sizes: 2" (DN50) through 12" (DN300)
- Material: Aluminum, Carbon Steel, Stainless Steel
- Flame Element Material: 316L Stainless Steel
- Thermocouple is required for flame detection per the ATEX Code
- Maximum Operational pressure 15.7 psia (1.08 bara)
(Testing parameters based on EN ISO 16852:2010)
- Burn Time tBT 5 minutes
- Good for NEC gas group D, IEC gas group IIA1 (MESG \geq 1.14 mm)
- 2" - 12" sizes available with ATEX Certification in compliance with EN ISO 16852:2010 with bodies of carbon steel or Stainless Steel construction
- 2" - 4" sizes available with ATEX Certification in compliance with EN ISO 16852:2010 with bodies of aluminum construction

Features

- Horizontal installation
- Flame arrester element geometry maximizes flame quenching capability while minimizing pressure drop
- Modular design allows easy and cost-effective flame bank maintenance
- Proven spiral-wound, crimped-ribbon flame element provides reliable flame protection
- Eccentric design allows for horizontal installation to prevent liquid accumulation

Options

- Exterior painting or coating
- DIN or ASME/ANSI drilling
- Tapped drain and instrumentation ports
- Factory installed thermocouple



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