



DEFLAGRATION FLAME ARRESTER

MODEL 7698



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The Groth Model 7698 is a 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. This provides 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
- Operational Temperature Range: -4 to 140 F (-20 to 60 C)
- Good for NEC gas group D, IEC gas group IIA (MESG \geq 0.90 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
- Eccentric design minimizes liquid accumulation
- Flame arrester element geometry maximizes flame quenching capability while minimizing pressure drop
- Spiral-wound, crimped ribbon flame element
- Modular design allows easy and cost-effective flame bank maintenance

Options

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



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