

Fuseal Squared

Double Containment Polypropylene Corrosive Waste Piping System



Pipe, Fittings, Accessories

Superior Electrofusion Technology

Fuseal Squared Reliability



GEORG FISCHER
PIPING SYSTEMS

Fuseal Squared

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With standard, non-flame Fuseal utilized for both the primary and containment pipe and fittings, the Fuseal Squared system offers the performance and reliability of the Fuseal II drainage system. Five advantages are realized:

- The pipe and fittings are easily joined with our state of the art fusion technologies
- Fuseal Squared joins to the standard Fuseal II system without the need for special fittings or tools
- Added protection with polypropylene material for both the primary and containment pipe
- Custom fittings and sizes can be quickly designed and manufactured to meet customer needs through our Custom Fabrication Department and
- All standard primary fitting joints are butt-welded and factory tested.

The primary pipe is tested hydrostatically, while the containment pipe is tested with air.

The standard wall thickness of Fuseal II makes Fuseal Squared ideal for buried applications. **Truly a complete acid waste drainage system!**

EPA Requirements

Federal, state, and local regulations have been created to protect our environment from industrial pollution. Protection of the soil and water table are of primary concern. The Fuseal Squared system, with a modular design, is a reliable and cost-effective solution by which to safely convey industrial and laboratory waste products. The George Fischer Corrosive Waste Piping System, including pipe, fittings, and instrumentation, provides many features which benefit the owner, engineer, and installer, as well as our environment.

Pipe and Fittings

Fuseal Squared pipe is manufactured to ASTM Schedule 40 requirements and all Fuseal Squared standard fittings are fabricated to DWV patterns utilizing butt-welding technology.

Fabrication allows for precise production tolerances which provide for an optimal fit between the primary and containment fitting, as well as assuring standard connections to single wall Fuseal II.

The size range for pipe and fittings includes 1½" x 4" through 8" x 12".

Fuseal Squared meets all requirements of the UPC 164-2001* double containment specification.

*pending



Termination Fittings

Termination fittings also utilize the electrofusion process to join to the single wall pipe. No maintenance is required.

Centralizers

Centralizers support and center the primary pipe and fittings within the containment pipe and fittings. Fuseal Squared centralizers are factory welded to the primary components, which offers the benefit of permanent and proper positioning in accordance with UPC 164-2001*.

* pending

Offerings

Leak Detection – Fuseal Squared is capable of being electronically leak detected.

Custom Fabrication – fabrication services are available per project specifications through our Custom Fabrications Department.



Polypropylene Resin

The Georg Fischer resin offers superior chemical resistance for a broad spectrum of chemicals and waste products.

Fuseal Squared handles corrosive drainage fluids up to 212°F (100°C) intermittently.

Fuseal Squared Offers:

- Free-floating primary pipe for easy joint per UPC, fit-up and field flexibility.
- Standard fittings are factory constructed using butt-welded joining techniques for primary joints.
- Reliable electrofusion system.
- Handles temperatures up to 212°F (100°C) intermittently.
- Excellent chemical and corrosion resistance.
- Standard connection to Fuseal II.
- George Fischer quality, field support, and factory engineering.

Applications

Fuseal Squared's chemical and physical properties make this system ideal to handle corrosive, chemical waste solutions for buried laboratory and industrial DWV applications.

Fuseal Squared is suitable for use in virtually every application where acids, bases, and solvents are drained and where environmental protection is key.

Product Range

Fittings	Connection	Dimensions	Material
DWV pattern	Electrofusion	1 1/2" x 4" through 8" x 12"	Non-flame Retardant Polypropylene
Pipe	Connection	Dimensions	Material
Schedule 40	Electrofusion	1 1/2" x 4" through 8" x 12"	Non-flame Retardant Polypropylene

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