

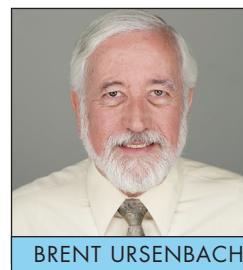
# MECHANICAL CODE DISCUSSION

## Underground Gas Pipe Sizing Tables

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AS WE BEGIN 2026, I want to extend my warmest wishes to everyone. May the coming year bring you peace, success, and happiness in all aspects of your life. I hope that your business endeavors flourish and that you find joy and fulfillment with your family throughout the year.

During the recent discussion, a question was raised regarding the appropriate method for sizing a 1,000-foot, 5-psi plastic underground gas line intended to supply a remote boiler with a demand of two million BTU/hr. It was noted that the International Fuel Gas Code (IFGC) tables are limited, as they only provide

sizing data for pressures up to 2 psi and for lengths up to 500 feet.

Given the limitations of the International Fuel Gas Code

(IFGC) tables—which provide sizing information only up to 2 psi and for lengths up to 500 feet, it is important to seek alternative sources when planning installations that exceed these parameters. For example, a 1,000-foot, 5-psi plastic underground gas line intended to supply a remote boiler with a demand of two million BTU/hr. cannot be accurately sized with the



IFGC tables alone.

In this situation, it is recommended to consult the manufacturers' websites for polyethylene pipe sizing charts. These manufacturer resources

offer comprehensive and detailed data, covering higher pressures up to 10 psi, which is needed in this installation, and longer pipe runs,

sometimes reaching 1,500 feet.

This directly addresses the concerns and requirements specific to installations like the one discussed.

As a reference, GasTite provides an example of such a sizing chart, which can be accessed at the following link:

<https://www.gastite.com/downloads/pdfs/PE-Sizing-Guide.pdf>

As we discussed in the ensuing discussion included:

- Acceptable Underground gas line materials
- Cathodic protection for metal piping
- Burial requirements and recommendations including depth, tracer wiring, and warning ribbons
- Joints and connections – must comply with manufacturer's installation instructions
- Gas utility concerns
- Pressure testing
- Pressure regulator and OPDs, overpressure devices

*We will continue this discussion in future issues of The Pipeline. Thank you for your ongoing support and feedback. Please keep in touch. Best, Brent* ■