

Plastic Piping Certification Program



Trusted Experts in Hydrostatic Pressure Testing *ISO 9080 - PPI TR-3 - ASTM D2837*

Over the last several decades, plastic pipe has become increasingly popular in the plumbing industry. As a means of reassurance to manufacturers, code and regulatory officials, and consumers, long-term hydrostatic testing is a mandated requirement for plastic pipe used in pressure applications.

For over 40 years, NSF International has been the industry's most trusted source for testing and certification of plastic piping products.

Today, NSF operates a world-class hydrostatic pressure testing laboratory, accredited to perform testing to **ISO 9080** and **ASTM D2837** standards. Data analysis is also performed by experienced NSF engineers to the requirements of **PPI TR-3** (HDB and PDB ratings) for the US and Canadian markets; and to ISO 9080 (MRS rating) for the European and Asian markets.



Lab Capabilities/Features

NSF's state-of-the-art pressure testing laboratory is one of the largest and most comprehensive in the world, featuring:

- 500+ electronically controlled, in-house pressure stations.
- Testing at pressures up to 200 bars (2900 psi) at temperatures ranging from 20°C (68°F) to 120°C (248°F).
- Walk-in, temperature-controlled chambers.
- Individual automatic controllers, monitored around the clock.
- Continuous, automated data recording that is backed up daily.
- Ovens and water baths accommodating sizes up to 150 mm (6 inches) for high temperature testing.
- Large size pipe testing area can accommodate pipe and fittings sizes up to 600 mm (24 inches) at room temperature.

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NSF: Trusted Experts in Hydrostatic Pressure Testing

Types/Materials

NSF's laboratory can test all plastic pipe materials, including:

- U-PVC and C-PVC
- PE
- PP
- PEX
- Composites: PE-AL-PE, PEX-AL-PEX, PP-AL-PP
- And many more

Related Services

Look to NSF as your preferred source for related plastic piping tests, including:

- Sustained Pressure Testing
- Chemical Resistance Testing
- Thermo-cycle Testing
- Accelerated Aging
- Notched Pipe Slow Crack Growth Resistance Testing
- Slow Crack Growth Resistance
- Material Preparation and Properties Testing

Why NSF?

NSF is the best choice for your plastics testing projects. Not only is NSF the most recognized and trusted laboratory in the industry, but we have the knowledge, skill, capacity, and superior client service to execute your project as efficiently as possible. Simplify all your testing and certification needs by coming to NSF - your one-stop shop to get your products market-ready, no matter where your markets may be.

Contact

For more information on NSF's testing capabilities, contact us at 800-NSF-MARK (+1.734.769.8010) or plumbing@nsf.org. Also visit the NSF website at www.nsf.org/info/plumbing.