



Plastics Pipe / PVC Testing Equipment



The strength, durability, and reliability of PVC and plastic pipes are essential for applications in construction, water supply, and gas distribution. Specialized PVC pipe testing equipment and plastic pipe testers are designed to evaluate these materials' mechanical, thermal, and chemical properties, ensuring compliance with industry standards.

Qualitest is a leading global manufacturer and supplier of pipe testing instruments, offering a high-quality, competitively priced product range with years of industry expertise. Our solutions ensure precision and reliability, meeting the rigorous demands of international standards.

Testing Methods and Standards

1. **Impact Resistance Testing** Conducted using Falling Weight Impact Testers that comply with ASTM D2444, this test assesses a pipe's resistance to impact forces, simulating real-world handling and environmental conditions.
2. **Hydrostatic Pressure Testing** Hydrostatic pressure testers, conforming to ASTM D1598, ASTM D1599, and ISO 1167, evaluate pipes' resistance to internal pressure over time and their burst strength.
3. **Environmental Stress Crack Resistance (ESCR)** ESCR tests measure the pipe's ability to resist cracking when exposed to environmental stresses, a critical factor in long-term durability.
4. **Thermal Property Testing** Instruments like HDT/Vicat Testers and Thermal Cycling Testers analyze thermal properties, including heat deflection, softening points, and endurance under temperature fluctuations.
5. **Structural Integrity and Dimensional Testing** Devices such as Ring Stiffness Testers and Pipe Notch Milling Machines ensure the structural soundness and dimensional accuracy required for critical applications.
6. **Optical Testing** Pipe Opacity Meters measure light penetration to ensure uniformity.
7. **End Closures** End Closures are vital for securely sealing pipes during hydrostatic pressure testing.
8. **UL and ASTM Compliance** Standards such as UL 651A, which covers conduits for electrical applications, and ASTM D2444, which provides guidelines for impact resistance testing, ensure product reliability and safety in diverse applications.

Why Choose Qualitest?

Qualitest is renowned for its comprehensive range of PVC pipe testing equipment and plastic pipe testers that meet and exceed global standards, including ASTM, ISO, EN, and UL 651A. From hydrostatic pressure testers to advanced pipe opacity meters and ESCR machines, our instruments are designed for accuracy, durability, and efficiency.

With additional features like automated controls and precision-engineered designs, Qualitest ensures superior performance and compliance for all your pipe testing requirements. Choose Qualitest for reliable, high-quality solutions tailored to meet the evolving demands of the global market.

Qualitest's state-of-the-art testing equipment includes Drop Weight Impact Testers, Hydrostatic Pressure Testers, Pipe Wall Thickness Testers, Mechanical Stability Testers, and more. Additionally, we offer the best price to quality ratio on the market.



ADVANCED TESTING TECHNOLOGIES

USA | CANADA | UAE | GCC | EU | INDIA | APAC | AFRICA | LATIN AMERICA

Connect with us

Contact our **QualiTeam** today to find out how we can help your organization **select the most suitable testing solution** for your application, requirements, and budget.

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