



TORONTECH

BURST PRESSURE TESTER FOR THERMOPLASTIC AND COMPOSITE PIPES



Hydrostatic Pressure Testing System | ASTM D1598, ASTM D1599, ISO 1167 Compliant

Torontech's Burst Pressure Tester is a precision-engineered system designed for determining the failure resistance and long-term strength of plastic pipes, thermoplastic piping systems, and reinforced thermosetting resin pipes under internal hydrostatic pressure. Compliant with international standards such as ASTM D1598, ASTM D1599, and ISO 1167, this system is an essential tool for pipe manufacturers, research laboratories, and quality control centers.

APPLICATIONS

Key Applications

1. Hydrostatic burst testing of thermoplastic pipes at constant internal pressure and temperature
2. Determination of time-to-failure for both plastic and composite pipe systems
3. Evaluation of stress vs. failure time relationships for material qualification
4. Compliance testing for plastic pipe pressure ratings and durability

Hydrostatic Burst Pressure Tester

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Standards Compliance

1. ASTM D1598 – Standard Test Method for Time-to-Failure of Plastic Pipe Under Constant Internal Pressure
2. ASTM D1599 – Standard Test Method for Short-Time Hydraulic Failure Pressure of Plastic Pipe
3. ISO 1167 – Thermoplastics Pipes for Conveyance of Fluids – Resistance to Internal Pressure Test

Optional Accessories

1. Test Water Bath for temperature conditioning
2. Sample Cage for secure pipe placement
3. End Closures for various pipe sizes
4. Laboratory Saw
5. Pipe Cutting and Chamfering Equipment

Why Choose Torontech's Hydrostatic Burst Pressure Tester?

Torontech delivers a complete pressure testing solution with unmatched reliability, modular design, and full compliance with ASTM and ISO standards. Whether you're validating product quality or researching material performance, this burst pressure testing machine ensures consistent and verifiable results.

Hydrostatic Burst Pressure Tester for Thermoplastic Pipes

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FEATURES

Highlights & Key Features

1. Supports high burst pressures: Available with max. pressure options of 100 bar, 160 bar, and 200 bar
2. Ideal for large-diameter pipes: Specially designed for large sample testing
3. Modular pressure testing system: High accuracy regardless of sample size
4. High flow rate pump configurations: Customizable for demanding test requirements
5. Advanced software:
 1. Real-time monitoring
 2. Test data backup and power-off recovery
 3. Intelligent pressure ramping algorithms
 4. Automatic failure detection

- 6. Efficient and intuitive operation:
 - 1. Clear digital visualization
 - 2. Quick burst test completion within 60-70 seconds
 - 3. Electric, mechanical, and software safety features
- 7. Remote technical support: Online diagnostics and configuration via internet

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TECHNICAL SPECIFICATIONS

Specification	Details
Maximum Test Pressure	100 bar / 160 bar / 200 bar
Test Station	1
Control System	Computer-controlled
Timing Range	1 second to 1000 hours
Timing Modes	Count-up and count-down



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