



TORONTECH

PUMP & HYDRANT TESTING EQUIPMENT



Pump & Hydrant Testing Equipment

Fire pumps and hydrant systems form the backbone of any built fire suppression infrastructure, supplying pressurised water to sprinkler systems, hose reels, and hydrant outlets. The reliable performance of every pump set and hydrant assembly — from hydraulic efficiency and flow output to sealing integrity and structural strength — must be verified through rigorous testing before installation and on a periodic basis throughout service life.

The Torontech ToronFT™ Pump & Hydrant Testing Equipment provides a complete suite of specialized testers covering all key performance parameters of fire pumps and fire hydrants. Designed in accordance with ISO 9906, EN 14384, NFPA 20, and equivalent international standards, the range equips manufacturers, testing laboratories, and water authority acceptance teams with the instruments needed to deliver compliant, reliable fire water supply systems.

APPLICATIONS

Applications & Industries

The ToronFT™ Pump & Hydrant Testing Equipment is specified by organisations across the following sectors:

- Fire Pump Manufacturers: comprehensive duty-curve performance testing, QC sign-off, and type-approval data generation
- Fire Hydrant & Valve Manufacturers: body strength, sealing, and flow performance verification

- Third-Party Testing & Certification Laboratories: independent product evaluation for EN, NFPA, UL, and national certification programs
- Municipal Water Authorities & Fire Services: acceptance testing of new hydrant installations and periodic serviceability checks
- Building Services & Fire Protection Contractors: commissioning performance verification of installed pump sets
- Industrial & Petrochemical Facilities: specialist high-flow hydrant system qualification for hazardous area fire protection
- Research Institutions: pump hydraulics studies and hydrant flow modelling in support of next-generation fire system design

FEATURES

Why Choose the ToronFT™ Pump & Hydrant Testing Equipment?

Our Advantage	What That Means for You
Full Pump Duty Curve Testing	Our Fire Pump Comprehensive Performance Test Bench captures head, flow, efficiency, and NPSH across the complete operating envelope — delivering the multi-point performance data required for type-approval submissions under EN 12259, NFPA 20, and equivalent standards.
Hydrostatic & Seal Integrity	Dedicated sealing and hydrostatic strength testers apply controlled pressure to pump casings, hydrant bodies, and valve assemblies, confirming structural integrity and zero-leakage performance at rated and overload pressures.
Large-Flow Capability	The Large Flow Dynamic Hydraulic Strength Apparatus is designed for high-bore hydrant systems where conventional benches fall short — supporting testing of municipal and industrial fire hydrant assemblies with high flow-rate demands.
Centralised Water Supply Integration	The Pressure Source Centralised Water Supply System provides a stable, regulated supply infrastructure, eliminating pressure fluctuation errors and enabling multiple apparatus to operate simultaneously with consistent test conditions.
Standards-Aligned Test Methods	All apparatus are configured to the test methods defined in ISO 9906, EN 14384, NFPA 20, and equivalent national codes — ensuring results are accepted by certification and approval authorities worldwide.
ToronFT™ Quality & Support	As part of the Torontech ToronFT™ fire testing series, all equipment is backed by expert commissioning, calibration certification, operator training, and a dedicated aftermarket service program.



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