



FIRE HOSE COUPLING & NOZZLE TESTING EQUIPMENT

Fire Hose Coupling & Nozzle Testing Equipment

Fire hose couplings and nozzles are the critical interface between water supply and fire suppression — components that must operate flawlessly under demanding pressures and in the hands of fire fighters under stress. Substandard or non-compliant fittings can result in catastrophic failure at the point of need.

Our Fire Hose Coupling & Nozzle Testing Equipment range enables manufacturers, testing laboratories, and certification bodies to rigorously evaluate every performance dimension of fire hose couplings and fire nozzles — from hydraulic seal integrity and operating torque to spray pattern quality and impact durability. All apparatus are aligned with relevant international and national fire equipment standards, including ISO 19921, EN 671, and BS 336.

APPLICATIONS

Applications & Industries

Our coupling and nozzle testing systems are used across the following sectors:

- Fire Coupling & Nozzle Manufacturers — R&D validation, production QC, and type-approval testing
- Third-Party Testing Laboratories — independent performance verification and certification support
- Fire Safety Certification Bodies — formal type-testing for market approval and product listing

- Fire Brigades & Equipment Procurement Authorities — incoming inspection and fitness-for-service evaluation
- Standards Development Organisations — research and round-robin testing in support of standards revision
- Maintenance & Refurbishment Services — periodic serviceability checks on field-returned couplings and nozzles

FEATURES

Why Choose Our Coupling & Nozzle Testing Equipment?

Our Advantage	What That Means for You
Standards-Compliant Test Methods	Each apparatus implements the precise test procedures defined in ISO 19921, EN 671, BS 336, and equivalent codes, ensuring your results are recognised by certification bodies internationally.
Hydraulic Accuracy	Precision pressure regulators and calibrated flow measurement systems provide the accuracy needed to verify coupling and nozzle performance to tight tolerance specifications.
Mechanical Durability Focus	Dedicated drop and torque test rigs allow manufacturers to confirm that couplings and nozzles survive real-world handling and operational loads throughout their service life.
Spray Performance Characterisation	Our nozzle spray tester captures flow rate, effective throw distance, spray angle, and pattern uniformity — data essential for product development and regulatory approval submissions.
Compact & Laboratory-Ready	Purpose-designed for laboratory environments with manageable footprints and straightforward specimen mounting — no large civil works or complex infrastructure required.
Expert Application Support	Our applications engineers understand fire equipment standards and can guide test protocol setup, specimen preparation, and report preparation for certification submissions.



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