TORONTECH

BLOCKING PERFORMANCE TESTER

Blocking Performance Tester | ISO 8536-12

Blocking Performance Tester – ToronMed™ BPT06 is designed to evaluate the blocking and check valve performance of infusion equipment for medical use. This instrument ensures that single-use check valves and fluid line components perform reliably when used with pressure infusion devices, providing accurate and repeatable results in compliance with international standards.

APPLICATIONS

Standards Compliance

The ToronMed™ BPT06 Blocking Performance Tester is designed in accordance with:

- ISO 8536-12 – Infusion equipment for medical use, Part 12: Check valves for single use

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ToronMed-BPT06
Blocking Performance Tester

Standard Configuration

- Main instrument unit
- 7-inch touchscreen interface
- Pressure tank
- Sample holder
- Micro printer

Why Choose Blocking Performance Tester – ToronMed™ BPT06?

The Blocking Performance Tester – ToronMed™ BPT06 combines accuracy, automation, and compliance to ensure infusion equipment meets stringent quality and safety requirements. With its advanced pressure sensing, large-capacity data storage, and GMP-ready software integration, this tester is ideal for medical device manufacturers, R&D facilities, and quality control laboratories.

By guaranteeing reliable check valve function, the Blocking Performance Tester helps safeguard patient safety and ensures compliance with global medical device standards.

FEATURES

- High-Accuracy Pressure Testing
  Equipped with an absolute pressure sensor and precision vacuum generator to enhance test accuracy.
- Customizable Test Parameters
  Pressure and test duration can be preset for flexible operation.
- 7-Inch HD Touchscreen
  User-friendly interface with real-time display of data and curves.

- Automated Results
  Automatic pass/fail judgment, with integrated micro printer for immediate test reporting.
- Data Storage & Retrieval
  Stores up to 50,000 test records with support for quick retrieval and historical data review.
- PC Connectivity
  Standard RS232 interface enables seamless data transfer to external systems.
- Safety-Oriented Design
  Includes overvoltage protection and power-down memory for stable, reliable testing.

THEORY & METHOD

Test Principle

The Blocking Performance Tester applies controlled positive pressure to check valves used in infusion equipment. By monitoring leakage, pressure stability, and valve closure behavior, the tester evaluates whether the valve meets the required blocking performance for safe and effective use in medical applications.

TECHNICAL SPECIFICATIONS

Specification	Value
Test Range	0–10 kPa (standard)
Accuracy	0.5% FS
Gas Supply Pressure	≤ 0.7 MPa (customer-supplied)
Gas Supply Port	Φ8 mm PU tubing

Specification	Value
Dimensions	300 × 410 × 150 mm
Voltage	AC 220V 50Hz / AC 110V 60Hz

TORONTECH.com

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