

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



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

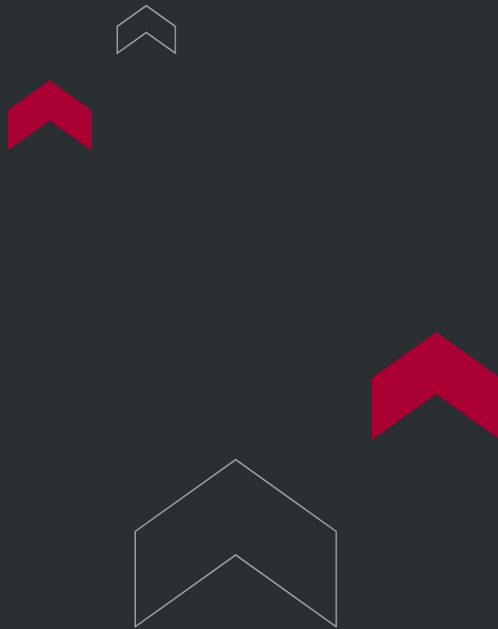
Test Principle

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 Inc.

251 Consumers Road, Suite 1200
Toronto, Ontario, M2J 4R3, Canada 

Phone: +1 416 368 2721 | Fax: +1 416 981 7652
Email: info@torontech.com

Torontech, LLC

601 Brickell Key Drive, Suite 700
Miami, FL 33131, USA 

Toll-Free: 1-866-383-7919
Email: sales@torontech.com

Torontech ME FZE

Meydan Grandstand, 6th Floor,
Meydan Road, Nad Al Sheba,
Dubai-261440, UAE 

Phone: +971 488 19252
Email: me@torontech.com

