

CERTITEST™ 20

INTELLIGENT FILTER INTEGRITY TESTER

The Cobetter® Certitest 20 intelligent filter integrity tester uses a Windows® operating system controller and fully integrated, high quality internal components to deliver accurate and stable filter test data.

The Windows system supports real-time display of test curves. Multi-level user access settings ensure data integrity and safety. The system has a 50GB memory capacity and data can be backed up and exported by the user.

The Certitest 20 is ideal for use on a wide range of filters used in medical, pharmaceutical, biological, industrial, semiconductor, and food & beverage filter testing requirements.



FEATURE

BENEFIT

Windows operating system

User friendly, intuitive operating system based on GAMP (Good Automated Manufacturing Practice) guidelines (fully complies with GMP requirements)

Power Windows operating system with stable algorithms ensure that each test point is recorded and displayed accurately

Complete audit trail can use single-level or two-level signature

Strict authority management, in full compliance with FDA 21CFR Part 11.

Multi-language support (available in English, Chinese and other languages)

High-quality, robust design

All Stäubli connections ensure leak-proof fittings, operating convenience, and air-tight connections.

Complete self-check procedure after startup, including inlet pressure valve display function, internal valve, internal pressor sensor

The system is designed to the IP54 standard against dust and water intrusion

A Berkert solenoid valve and customized valving ensure high quality, stable system performance

Advanced Festo piezoelectric pressure regulating valve with pressure feedback function can be used to automatically adjust the feedback pressure, for high pressure accuracy and rapid response.

Network interface

Network interface allows system to automatically upload data to a server.

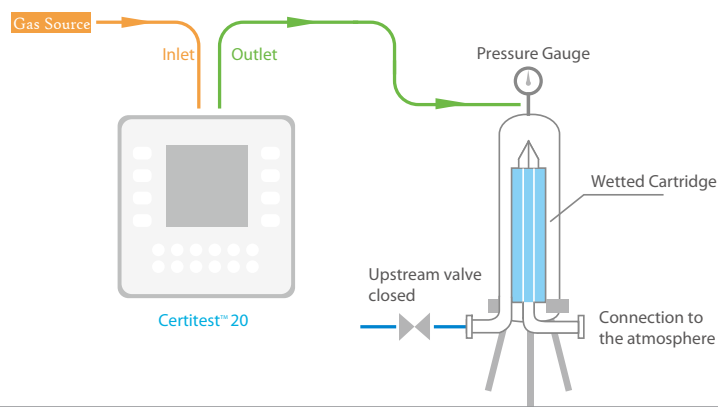
Typical Applications

- Bubble Point Test
- Extensive Bubble Point Test
- Diffusion Flow Test
- Pressure Holding Test
- Water Intrusion Test

SPECIFICATIONS

Power	100-240V AC, 50/60 Hz 120 W
Display Screen	10.1 inch HD color touch screen with resolution up to 1280x800
Test Range	Bubble Point: 100-7000 mbar Diffusion Flow: 0.1 - 600 ml/min Water Intrusion: 0.01 - 100 ml
Test Method	Bubble Point Test, Extensive Bubble Point Test (Bubble Point + Diffusion Flow), Pressure Holding Test, Diffusion Flow Test, Water Immersion Test
Operating Conditions	Ambient Temp.: 0 - 40°C (32 - 104°F)
History Record Function	50 GB memory storage onboard, easy to export or backup
Language Options	English, Chinese
Connections	Stäubli

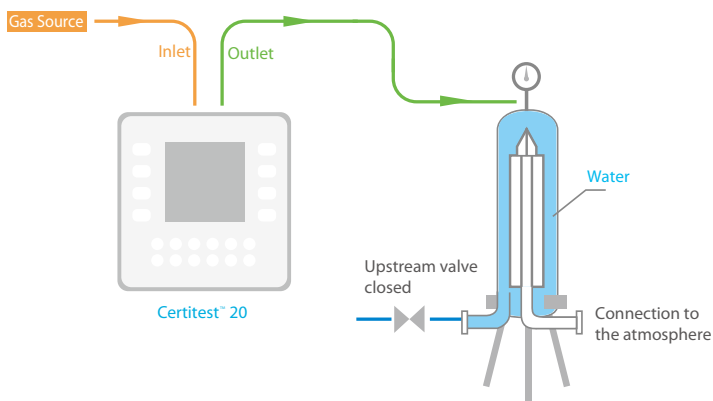
BUBBLE POINT, DIFFUSE FLOW TEST



INTEGRITY TEST PROCEDURE

1. Ensure gas connections on the system are tight.
2. Ensure that the filter element interface and filter adapter are in good condition.
3. For Bubble Point and Diffusion Flow Testing:
Filter element should be completely wetted
For Water Immersion Test:
Filter should be hydrophobic and dry.
4. Choose the right type of filter element.
Only absolute membrane filter elements can be used for the integrity test, such as PES, PTFE, PVDF, NY66, etc.
5. Set gas pressure to at least 14.5 psi (1000 mbar) higher than the value of the bubble point of the filter being tested.

WATER IMMERSION TEST



ORDERING INFORMATION

Part Number	Description
CT20A0	Integrity Tester with Thermal Printer Includes: Thermal Printer and thermal paper
CT20A1	Integrity Tester with Dot Matrix Printer Includes Dot Matrix Printer, stylus paper, and ribbon
CT20-EX-P	External Expansion Tank (Select when you need to test greater or equal to 3 rounds 20inch filters)
Components Shipped with Each System:	Inlet Tube Includes: ø6 mm Gas Tube (blue) 1.2m (3.9ft) length with Stäubli female connector
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	Housing Chuck Includes: Stäubli male connector to 1-1/2" tri-clamp connection (TC50) with PTFE Gasket (Thick)
	Quick connector socket
	Filter Clamp
	External expansion valve (special for anti-reverse suction)
	USB Mass Storage
	Power Cord
	Quick Installation Guide
	Packing List
	Quality Assurance Certificate
	CT20 Instruction Manual
CT20 Trolley Case	



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