

STCS - BM3

Ref: 14-03-0002

Shrinking Tube Control System

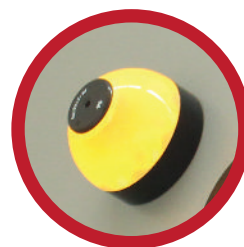
The STCS-BM3 (Bubble Machine) is a manually operated pneumatic device, intended to be used as a convenient "in-process" sampling technique for testing sealed splices.

It has an built-in current leakage detection system that detects sleeve's poke-through.

It can be supplied with special shrinking chambers for big cross-section cables.



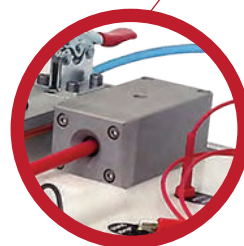
Real time automatic pressure test adjustment without the need of manual regulation



Built-in current leakage detection system for poke-through detection with visual and sound alarms



External pressure test verification



Option of using special chambers, mechanically compatible with normal chambers, to test big cross-section cables

TECHNICAL CHARACTERISTICS

DIMENSIONS

Length	490 [mm]
Width	560 [mm]
Height	270 [mm]
Weight	25 [kg]

CHAMBER DIMENSIONS

Length	35 [mm]
Width	30 [mm]

POWER SUPPLY/CONSUPTION

Supply	24 VDC
Working Consumption	1 A

AIR PRESSURE

Supply Pressure	6 Bar Max
Pressure Test	Recomended 0.5 Bar, during 30 Seconds.

- ▲ Automatic air pressure adjustment;
- ▲ Selection of which chambers receive test pressure, for air economy;
- ▲ Configurable test time and test pressure;
- ▲ Built-in current leakage detection system, for detection of poke-through;
- ▲ Bubble and poke-through test counter;
- ▲ Manual internal calibration;
- ▲ Password protected menu;
- ▲ Error lock (password protected);
- ▲ Air fault detection;
- ▲ Interchangeable system language, including: English, Portuguese, French and Spanish (others on demand);
- ▲ Minimal skills required for operating with the machine;
- ▲ Use of special chambers for big cross-section cables.

OPERATION

The STCS-BM3 (Bubble Machine) is a manually operated pneumatic device, intended to be used as a convenient 'in-process' sampling technique for checking sealed splices.

Different combinations of in-line or stub splices can be pressure tested in any of the combination of fixtures (8 in total).

The splice products are located in clamps which deliver the test pressure. The product is immersed in water and pressure is delivered down the wire(s) to the sealed area. The operator can select which chambers receive pressure and define the test time.

Test pressure and test time are defined in the software, which is password protected. The operator only needs to press the start button.

The test result is determined visually by looking for bubbles in the area of the sealed product.

This equipment can also check for poke-through i.e. when an individual wire strand poke-through the installed heat-shrinkable sleeve, by detecting the current leakage into the water. If it occurs, a warning LED will be lighted.

OPTIONS



Special Chamber
Ref: 06-01-0127

Alternative Clamps Ref: 06-01-0173

