

Sampling Pressure Tester



Internal Pressure Measurement of Glass Containers

- Reduce labor costs, quickly and easily
- Provide consistent, reliable pressure testing results
- Generate pressure data
- Monitor strength performance

The Agr Sampling Pressure Tester (SPT) automatically gathers pressure data from sample containers by measuring the maximum internal pressure the containers can withstand.

OPERATING PRINCIPLE

The Sampling Pressure Tester (SPT) works in conjunction with a mold reader (such as Agr's Cavity Identification System) and a process information system to receive containers selected from the production line. Once selected containers enter the SPT, they are clamped below the finish and moved through several positions where they are filled with water and then pressurized. Test pressure is increased at a constant rate until the container fails, or until it reaches a user-specified level. Containers that do not break during testing are broken to ensure that no water-filled containers enter the cullet system. Upon completion, test results are uploaded to a process information system for documentation and further processing.

PROCESS CONTROL SYSTEM COMPATIBILITY

The SPT can automatically receive rounds of containers at user-defined intervals when used in conjunction with a process control system.

Integration of a process control system and SPT provides glass manufacturers with an effective, efficient, and reliable sampling system that:

- Automates routine and tedious manual testing procedures
- Ensures consistent, scheduled pressure testing of containers
- Provides early warning that containers are approaching pressure reject levels
- Reduces the possibility of holding ware for pressure related problems
- Re-qualifies a cavity with minimal time delay when its pressure strength returns to an acceptable level
- Provides data that can be used to meet ISO 9000 recording standards

OPTIONS

- Interface for most process information systems
- English or Metric unit pressure readouts
- Test Gauge Assembly for SPT calibration
- Special container handling assemblies
- Various length conveyor assemblies



FEATURES

- Tests up to 3.7 bottles per minute
- Provides pressure testing results through RS232 and RS422 data ports or via a printer option
- Contains integral cullet chute
- Uses integrated finger stop controls
- Controlled remotely by a host computer or process information system
- Utilizes low-voltage valve units
- Meets ASTM-C147 test method standards

Agr reserves the right to alter design and/or specifications without notice.