ASC 7400SGV

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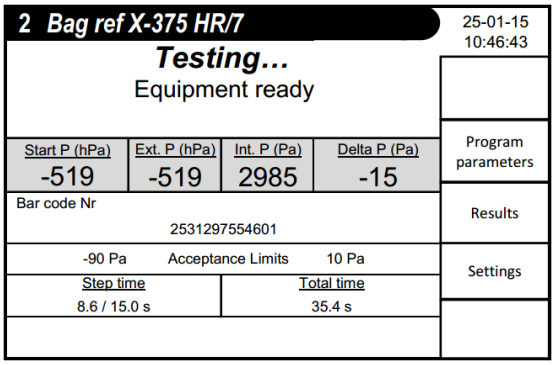
Flexible container integrity test
Non-destructive test method



The ASC 7400SGV is a non-destructive leak test instrument for large flexible containers or pouches for pharmaceutical or medical use.

User-friendliness and ergonomics:
A large high-resolution touch screen provides a clear user interface and allows a quick intuitive understanding of the instrument.

The ASC 7400 SGV is designed to replace destructive tests like dye tests and bubble tests. This test equipment allows quick and easy quantification of the degree of tightness of the product.

Measurement cycle :

- ✓ The operator places the product in the test chamber
- ✓ He/she closes the lid, which starts the test
- ✓ The vacuum is gradually installed and stabilised
- ✓ The instrument measures the pressure variation inside the product over a certain period
- ✓ The test chamber is returned to atmospheric pressure
- ✓ The test result is displayed: green light: Pass, or red light: Fail
- ✓ The measured values are displayed and available for output in Excel or pdf format
- ✓ Lid remains locked on Fail result, requires pressing “Unlock Process” button

Benefits

✓ Non-destructive test :

- No need to scrap products after test
- Waste is virtually eliminated
- Quick test: sample size or test frequency can be increased for better process control
- 100% Test possible on critical or high-risk products, quarantined batches
- Automation possible

✓ Certification of measurement with Reference product:

- Validation of measurement, verification of measurement chain, traceable to National Standards
- Certification of test system, qualification (IQ/OQ/PQ)
- Correlation with Standards

✓ Physical measurement of degree of tightness:

- Tightness value can be calibrated
- Test results are independent of operator influence, alertness, etc.
- SPC (Statistical Process Control) possible

✓ Implementation assistance from ASC Instrument experts:

- FAT, SAT, IQ, OQ, PQ, transposition of standards, training, validation

Integrity tester ASC 7400SGV

Vacuum leak testing by internal pressure variation

This measurement method, developed by ASC Instrument, is ideal for verifying the tightness of flexible containers without any damage, alteration or contamination.
The method consists of creating a vacuum in the test chamber in which the product is placed, causing the container to “inflate”. The built-in pressure transducer continually measures the pressure inside the container. The chamber is isolated when a specified target pressure is reached and the internal pressure variation in the product is measured over a short time. This variation is directly related to the degree of integrity of the product.

A leak-free **Reference container** with plug-in **Calibrated Leaks** is used for validation, qualifications and routine inspection process verification.

Standard pressure range: -10 to -60 kPa (specific ranges at request)

Options and accessories

- Batch Report (pdf)
- USB port
- LAN port (RJ45)
- Remote unlock on FAIL result
- Barcode scanner
- Other dimensions available
- Filtration kit
- Purification unit
- Vacuum pump
- 3-colour status light column
- Reference container
- Calibrated Leaks

Specifications

Dimensions
Width : 1286 mm
Height : 569 mm
Depth : 1046 mm
Weight : 250 kg
Standard chamber (largest product) :
1000 x 500 x 100 mm

Communication
Graphic 5.7‘‘ touch screen
Status lights

Power supply
24 V DC/ 5 A (adapter supplied)

Air supply
Clean and dry air, quality to ISO 8573-1
-100 and 600 kPa

Temperature
Operation : +15°C to + 25°C
Storage : 0°C to 60°C

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