



Integrity test for betabags



ASC 7400BB



Betabag

The **ASC 7400BB** is a test system for integrity verification of betabags with their door.

It allows measurement and validation of the integrity of a betabag prior to using it, and thus avoiding any doubt on any damage potentially sustained during transport or storage.

This test system was developed to meet a growing requirement to be able to detect ever smaller integrity faults in these containers, widely used by the pharmaceutical industry in sterile manufacturing processes.

The ASC 7400BB uses ASC Instrument's patented test method, fine-tuned by our engineers in order to achieve a detection capability of holes of **a few μm** .

In spite of its ultra-precise measurement, the system is easy to operate (see overleaf). The test runs completely autonomously, eliminating any risk of human influence on the measurement.

Benefits

- ✓ **Measurement** of integrity level : can be **calibrated, qualified**
- ✓ **Extremely sensitive**, able to detect flaws as small as a few μm (micron)
- ✓ **Traceability** : label printer, Test Report
- ✓ **Calibrated Leaks with certificate** (process validation, qualifications, routine verification)
- ✓ **Advice and support** by experts
 - Our engineers assist all along your project
 - Test parameter development
 - Qualifications IQ OQ PQ
 - Specific studies, feasibility and others

Integrity tester for betabags ASC 7400BB

Measurement principle

A vacuum is gradually installed in the test chamber, causing the bag to « inflate ». A sensor located in the lid measures the pressure in the bag. After a target value is reached, followed by a stabilisation phase, the variation of the pressure in the bag (ΔP) is measured, reflecting its ability to hold the pressure.

This measurement provides a precise measure of the bag's integrity.

Description of a test cycle :

- Operator puts Betabag on test bed
- Operator closes lid, lid locks and cycle starts automatically
- Gradual installation of vacuum in test chamber with bag pressure measurement
- Stabilisation
- Test (measurement of bag pressure variation)
- Result display : OK/NOK (Green/Red) with ΔP value measured
- Release chamber to atmospheric pressure
- On OK result : Lid is unlocked and opens
- On NOK result : Lid stays locked, a press on "Unlock Process" is required to unlock
- Printing of Control Label (option)

Options and accessories

- USB (result output)
- Ethernet port (network)
- Label / network printer
- Reference Bags (Control Bags)
- Calibrated Leaks with Certificate
- Barcode / QR code reader
- 3 colour light column (Result status)
- Vacuum pump
- Door tester ASC 7400C



Specifications

Max bag dimensions : 1670 x 655 mm

Footprint : 2450 x 1350 mm

Weight : 900 kg (fitted on castors)

Noise level : 40-60 dB depending on vacuum pump

Stainless Steel, suited for clean room

Communication :

Touch screen 5,7" high resolution

On-screen results indicators

Power

220-240V AC single phase, 1,5 kVA
(incl. vacuum pump)

Air supply

Clean, dry air, quality to ISO 8573-1,
0,7-0,8 MPa

Temperature

Operating : +15°C to + 25°C
Storage : 0°C to 60°C



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