



ASC 7400 STGV

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Body armour leak test Non-destructive integrity test



The ASC 7400 STGV is a non-destructive water tightness test bench for large format flexible inserts of body armour.

2 Insert GL-V2 /F64				25-01-15 10:46:43
Testing... Equipment ready				
Start P (hPa)	Ext. P (hPa)	Int. P (Pa)	Delta P (Pa)	Program parameters
-519	-519	2985	-15	
Bar code Nr 2531297554601				Results
-90 Pa		Acceptance Limits	10 Pa	Settings
Step time		Total time		
8.6 / 15.0 s		35.4 s		

User-friendly and ergonomic

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

The ASC 7400 STGV is designed to replace the traditional immersion test. This test equipment allows quick and easy quantification of the degree of tightness of flexible inserts.

Measurement cycle

- ✈ The operator puts the insert in the measurement tray
- ✈ He closes the tray, which starts the test;
- ✈ The vacuum is installed and stabilised;
- ✈ The instrument measures the pressure variation inside the insert over a certain period;
- ✈ The test chamber is returned to atmospheric pressure;
- ✈ The test result is shown: green light: Pass, or red light: Fail
- ✈ The measured values are available for output in Excel format.

Benefits

Clean and quick test

- No water required ;
- Results are quickly available (less than 4 minutes);
- Allows testing more equipment in less time;
- Traceability (test reports, storage of results).

Certification of measurement with calibrated reference insert:

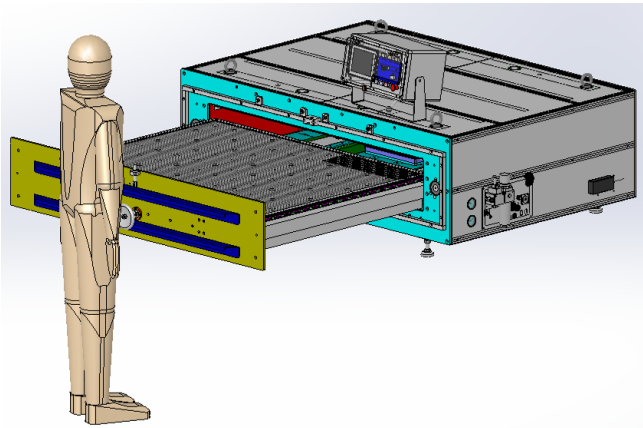
- Validation of measurement, real-time verification of measurement chain;
- Certification of test bench, qualification;
- Transposition of standards.

Physical measurement of degree of tightness:

- Tightness value can be calibrated.
- Test results are independent of operator influence, alertness, etc..

Implementation assistance by ASC Instrument experts

Leak test bench ASC 7400 STGV



ASC 7400 STGV with operator

Vacuum based leak testing :

This measurement method is ideal for checking the water tightness of body armour inserts. The method consists of creating a vacuum in the chamber in which the product is placed, isolating it and measuring the pressure variation inside the insert. This variation is directly related to the degree of integrity of the insert.

Standard pressure range: -10 to -60 kPa, to customer specification

Options and accessories

- USB port (export results in Excel compatible format)
- Network port (RJ45)
- Batch Report (pdf)
- External unlock (release of cycle upon Fail result)
- Barcode scanner
- Label printer
- Filtration kit
- 3-colour status light column
- Purification unit
- Vacuum pump
- Reference inserts (calibrated)
- Fittings, tubing, etc.

Specifications

Dimensions

Width : 1750 mm
Height : 904 mm
Depth : 1270 mm
Weight : 950 kg

Standard chamber (largest insert) :
1300 x 1100 x 70 mm
Other formats available

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

ASC Instrument

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