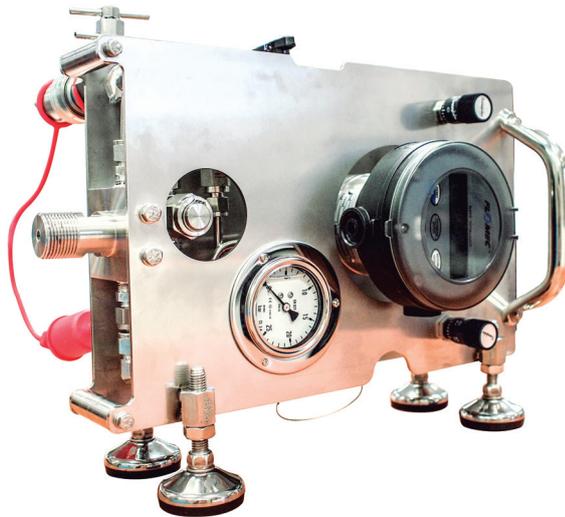


## Atmos Leak Trial Manifold

Specifically designed portable leak trial manifold capable of accurate, low-flow measurement in hazardous areas in order to verify a tightness monitoring system on an airport fuel hydrant system

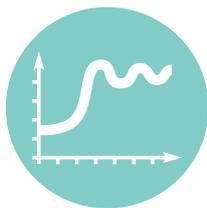


### Features

- Covers segments up to 900m<sup>3</sup> at 0.04l/h/m<sup>3</sup> minimum detectable leak rate
- Maximum Allowable Working Pressure: 25 Bar
- Flow rate: 0.5 – 36 L/hr
- Weight: 9.5kg
- Inlet connection – 4” EI1584 coupler
- Outlet – 2m Elaflex aviation hose
- Fine and course flow control valves
- Meter accuracy +/- 0.2% of flow rate
- Flow rate and cumulative display options
- ATEX / IECEx approved flow meter
- Panel-mounted pressure gauge for diagnostics

### Why test a Leak Detection System?

It is important to test hydrants for leaks. A leak detection system must be maintained and tested to confirm it is optimized at all times.



#### Meter Drift

Pressure meter calibration can drift and can reduce the LDS sensitivity



#### Testing of interpretation

Ensure your operators understand what the LDS is telling them



#### Passing valves

Valves deteriorate over time and can begin to pass



#### Performance

There is a requirement to meet the 0.04l/h/m<sup>3</sup> standard, but what if you can get better performance?



#### Testing of procedures

Ensure your operators know how to respond to a real leak



#### Inspections

Satisfy IFQP and JIG inspections relating to LDS currency and calibration

## What is Atmos Leak Trial Manifold?

The Leak Trial Manifold is supplied with ergonomic mirror-finish handles specifically selected to ensure that a gloved operator can lift the unit at 96th percentile knuckle / finger height based on industry standard (EI1584) coupler dimensions.

Robust and high quality hazardous area certified instrumentation is partially encased within the high quality, polished stainless-steel protection plates to protect the internal components from external impacts whilst still facilitating on-site maintenance. An ATEX certified pressure gauge is mounted to the front panel to provide visual pressure readings for diagnostic purposes.

The high-quality Vernier handles on the course and fine control valves ensure repeatable readings and a high level of flow control through the flow meter. The flow meter is robust and fully programmable.

A strainer basket, T-piece type filtration unit is fitted as standard to ensure an optimum level of control over the flow metering process by minimizing the

flow of particulates through the control valves. A flushing port on the right side of the panel on a T-piece (cap connected to rear panel via a lanyard) ensures that the flow restrictor tube can be easily cleaned without disconnecting the unit itself.

Dry disconnect couplers and a bespoke extension piece on the LTM unit facilitate connection to hydrants in more inaccessible (sub-surface) locations via a standard EI1584 coupler or via a low point drain or high point vent. The unit is supplied in a robust and compact peli-case for ease of transportation.

Levelling feet on the right side of the unit ensure that the unit can be stored safely when not in use.

To learn more about Atmos International, please visit: [www.atmosi.com](http://www.atmosi.com)

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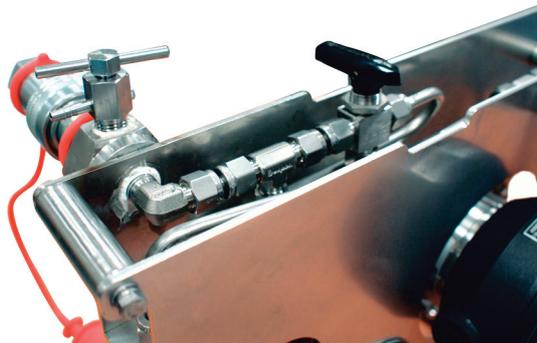
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**GO BEYOND**

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## About Atmos International

Founded in 1995, Atmos International provides pipeline leak and theft detection, simulation technology, instrumentation and engineering services to the energy, water and associated industries. Atmos is the first choice of most pipeline companies worldwide, and is extensively used by major operators like Shell, BP, ExxonMobil, Petrobras, Enbridge and Total. With associated offices in the USA, China, Russia, Singapore, Indonesia, Colombia, Ecuador, Peru and Costa Rica, and local agents in 28 countries, our multi-cultural and multilingual team is dedicated to effective global support for the lifetime of our products all over the world.

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