



LEAK MASTERS FOR TESTING OF THE INSTRUMENTS

INSTRUCTION MANUAL
Rev. 20200825

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1 DESCRIPTION



At a set pressure, a leak master guarantees a known flow rate. By inserting the leak master into the test circuit, it is easy to verify the effectiveness of the entire test system (instrument, connections, test parameters, etc...). Equipped with a practical Staubli® connector, they are available in a wide range of standard or customised values according to the customer's specifications. At www.tecnasrl.com it is possible to consult the summary table of standard leak masters.

2 CALIBRATION SERVICE

Each leak master is supplied with a calibration report issued by Tecna srl. As required by ISO9001, calibration shall be verified at specified intervals using instrumentation directly or indirectly referable to national or international primary samples.

Tecna srl, through its specialised staff and certified instruments, offers a complete service for periodic calibration.

3 REFERENCE ENVIRONMENTAL CONDITIONS

Leak masters can be certified at standardised conditions of 20°C, 1013 hPa or at normal conditions of 0°C, 1013 hPa.

4 USER INFORMATION

- Use only dry, non-condensing, 5 micron filtered, non-lubricated air, in accordance with ISO8573-1;
- The O-ring located inside the Leak Master must be periodically checked and the two fittings must be correctly tightened;
- The Leak Master must not be immersed in water. To verify the correct functioning of the leak master, connect a pipe to the outlet fitting and immerse it in a container containing water; if the leak master works correctly and is not obstructed at the outlet of the immersed pipe, air bubbles should be generated. Remove the pipe from the container before discharging the pressure;

NOTE: This type of test can only be carried out with positive overpressures.

- Any attempt to clean the leak master could contribute towards compromising its proper functioning;
- Do not use your mouth (oral cavity) to blow air into the leak master;
- Handle with care, avoiding impacts, and store in the box after use;
- Tecna srl, through its specialized staff and certified instruments, offers a complete service for periodic calibration with the issue of the relative calibration report.
- Tecna srl, through the network of primary laboratories with which the company has an agreement (national and international), offers the service of periodic calibration with emission carried out by the laboratory itself of the calibration certificate.

GUARANTEE

This warranty is valid for contracts between Tecna Srl and companies and/or professionals holding VAT number (B2B) and only for the Client to whom the transport document (DDT or accompanying invoice) is issued by Tecna Srl.

Tecna Srl warrants its products and accessories for 12 (twelve) months from the date of delivery against manufacturing defects and defective components.

Tecna srl guarantees leak masters only for manufacturing and assembly defects such as lack of hermetic seal or sealant around the porous element or the o-ring between the two fittings (these defects result in an increase in flow compared to the nominal rate).

The delivery date shall be that of the transport document (DDT or the accompanying invoice) issued by Tecna Srl at the time of delivery to the customer or to the carrier in-charge for the delivery.

The terms of this warranty do NOT apply to the sale of the spare parts and/or consumables which are subject to wear and tear.

The initial time period of the warranty of the products and accessories implies the end of the warranty even for all the parts eventually replaced during the warranty period, regardless of the when they were installed.

Only Tecna srl is authorized to perform maintenance on the products and accessories under warranty: maintenance by unauthorized personnel, as well as tampering with the warranty seal, shall terminate the said warranty.

Warranty repairs shall be carried out in the Headquarters of Tecna Srl.

Any requests for repairs on the customer's site shall be evaluated by Tecna Srl each time, and, in case of acceptance of the request, the transfer expenses (travel hour tariff, travel costs and out of office costs, call fee) shall be invoiced according to the current pricelist.

During the warranty period, parts and/or components that are not correctly functioning due to manufacturing defects, defective components and/or improper assembly of parts shall be replaced or repaired free of charge.

The evaluation on whether to proceed with a replacement or a repair is the sole responsibility of Tecna Srl.

The hours of work required for warranty service will also be provided free of charge. The customer, following a written authorization by Tecna srl, will have to deliver the equipment or the accessories properly packed in their original packaging, to the courier sent by Tecna srl for pick-up. The freight will be paid by Tecna Srl but will be charged back to the customer, if the necessary maintenance does not fall within the terms of this warranty.

The following are always excluded from the warranty:

- consumable parts that are subject to wear and tear or which may require replacement due to the normal use of the instrument during the warranty period

such as, but not limited to: valves and/or their valve stems, pressure and/or flux sensors, dirt filters, printer ribbons, batteries etc.;

- leak masters that may have undergone possible obstruction (partial or total) of the porous element;
- damages caused by transport, due to wrong or improper installation, improper handling, carelessness or incapability to use, tampering by unauthorized persons and any other causes within Tecna Srl control;
- damages arising from the use of the instrument or the accessories in environmental conditions outside the specifications indicated;
- damages arising from the use of the instrument or the accessories without the air filter (where required) mounted at the entrance of the compressed air, or with a dirty and/or worn-out filter;
- damages arising due to accidents or unforeseeable incidents, such as, but not limited to: fire, flood, earthquake, weather events (e.g. lightning), strikes, acts of vandalism, riots, unrests, thefts etc.;
- damages resulting from the misuse, repairs or maintenance activities performed by unauthorized personnel or use of non-original materials, damages due to use of corrosive materials for cleaning or otherwise that may damage the mechanical, electrical or electronic parts, O-ring seals etc.;
- in general, all the damages that may be caused by the Customer or personnel authorized by the former to operate the instrument or the accessories, that is due to incorrect use of the instrument and/or against the instructions received or written in the instruction manual supplied with the instrument or the accessories.

In all the above cases, the warranty does not apply and the repairs arising from such damages shall be quantified and billed according to the current tariffs.

The applicability or otherwise of the warranty is the sole responsibility of Tecna Srl.

Tecna Srl is not liable for eventual costs or damages caused by the machine downtime and is not liable for any direct or indirect damages resulting from the incorrect functioning of the supplied products and accessories or their use.

For any dispute that should arise in connection with the execution or interpretation of this warranty the court of Modena shall be exclusively competent.

The applicable law shall be the Italian law.

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Tecna Srl