

MARKET BRIEF

Why INFICON is the Best Partner in Leak Detection for RAC Applications

With an enormous installed base of leak detection products, INFICON has been a valued supplier to the RAC industry for more than 40 years. These proven products make INFICON the ideal partner for leak detection in RAC applications.

- INFICON offers a full range of products for all possible applications in the RAC industry from single component testing to final assembly testing up to service tools for maintenance tasks in the field.
- INFICON works with customers to design products tailor-made for the specific applications and exacting requirements.
- INFICON offers a wide variety of proprietary / patented technologies making INFICON the technology leader in leak detection.
- INFICONs leak detectors are designed for high quality, low cost of ownership and high uptime.
- INFICON offers excellent service and support through a network of service centers world-wide.

INFICON OFFERS A FULL RANGE OF LEAK DETECTION PRODUCTS FOR ANY RAC APPLICATION

INFICON leak detectors are specifically designed to increase productivity in demanding RAC applications.

- LDS for flexible integration into fully automated helium chamber test systems for large scale testing of single components
- Modul1000 for plug&play setup of your in-house leak detection testing system

- UL1000 for flexible testing of small batches of single components
- Protec® P3000 for convenient, fast and accurate pre-testing of sub-assembly and final products in helium sniffing mode
- HLD5000 for final testing of air conditioners for refrigerant leaks including CO2
- Ecotec® E3000 for final testing of refrigerators and freezers for refrigerant leaks
- Ecotec® E3000A for testing of refrigeration circuits in airplanes
- D-Tek Select™, Compass™, Tek-Mate® hand-held leak detectors for service and maintenance personnel

INFICON also offers a wide variety of accessories, again specifically developed for your particular leak detection application:

- Several leak standards including
 - Internal helium test leaks for vacuum leak testing,
 - Built-in helium and refrigerant test leaks for fast availability at the production line,
 - Gas-specific refrigerant and helium sniffer test leaks and
 - Screw-in chamber test leaks
- Several sniffer line configurations, including many different sniffer tips, varying in lengths and properties (rigid or flexible)

INFICON OFFERS DEDICATED PRODUCTS FOR SPECIFIC APPLICATIONS IN THE RAC INDUSTRY

INFICON RAC products specifically meet the requirements of the RAC industry and are optimized for a particular application:

- To assure 100% testing on automated production lines customers asked INFICON to design a sniffer product that allows the operator to concentrate on the sniffing process and not the main unit a few feet away. INFICON answered this need with a design that offers integrated display, several alarms, and sniffer tip illumination.
- INFICON understands that air conditioner leak testing and refrigerator leak testing have different requirements. The HLD5000 product line is precisely designed for economical air conditioner testing and the highly selective Ecotec E3000 provides reliable refrigerator testing where avoiding false alarms from foaming agents is key.
- All INFICON sniffer leak detectors offer a built-in test leak for fast verification of the leak detector's calibration during production.
- The LDS product line offers the highest flexibility of all leak detectors for optimization of the leak detection process in automated testing where low cycle times as well as repeatability are the key.

Behind every INFICON leak detector is proprietary / patented technology for optimum performance during leak testing. Among these technologies are:

- Magnetic field mass spectrometers
- Quadrupole spectrometers for highly selective testing
- Infrared technology sensors
- Wise Technology™, the first helium sensor with no need for high vacuum conditions (patent pending)
- Dual Inlet technology for reliably suppressing false alarms from background concentration (INFICON patent)

INFICON PRODUCTS ARE DESIGNED FOR LOW COST OF OWNERSHIP AND HIGH UPTIME

All INFICON leak detectors are covered by an industry leading two-year-warranty, except the HLD5000 Refrigerant Leak Detector, which carries a three-year warranty. INFICON also offers a three-year warranty for parts that are considered consumables by other vendors, like mass spectrometer filaments.

INFICON leak detectors are designed for low cost-of-ownership, little maintenance and high up time and have won several awards for outstanding product quality. INFICON developed the cutting edge Wise Technology, a helium sensor that can work at high pressure and does not require high vacuum conditions eliminating the need for a maintenance intensive turbo molecular pump. Over the past couple of years, INFICON has steadily increased the maintenance interval recommendations for their leak detectors and continuously lowered the time and money required for maintenance and repair.

INFICON operates a large network of local service centers for outstanding customer support. These service centers offer assistance in the local language, short reaction time for service visits, quick availability of spare parts and excellent application support. A continuous training program for all service staff guarantees world-class support when you need it.



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