

DEVICE FOR MOBILE QUICK TESTING OF HOLLOW WARES LEAK INTEGRITY



Areas of Application

The leak-detection device defines with a high accuracy the actual leakage rate for various hollow wares without using indicating gases, vacuum chambers or reference leaks

Specification

The device enables to control the leak integrity within the range from 10^{-5} W to 10^{-3} W, depending on the ware volume varying from 0.01 m^3 to 100 m^3 , at a low pressure up to 0.3 MPa taking into account actual changes in parameters of external air environment

Advantages

The device has no analogs in the world. Unlike the known methods, the device quickly tests the wares to detect mini-leaks in large volumes or if the outer surface is hard-to-reach. The device provides a high accuracy and reliability of gas micro-leak detection; controls the leak integrity in wares of any configuration; determines the leakage rate based on micro variations of environment pressure and temperature and records them; performs tests in a short period of time

Stage of Development. Suggestions for Commercialization

IRL7, TRL8
Manufacture, delivery, warranty service, and staff training, upon request

IPR Protection

IPR1, IPR3

Contact Information

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