

Fuel Filter Test Stand

Filters are leak tested and acceptance marked at a rate of 138 parts per hour.



Fuel Filter Test Fixture and Parts

Features

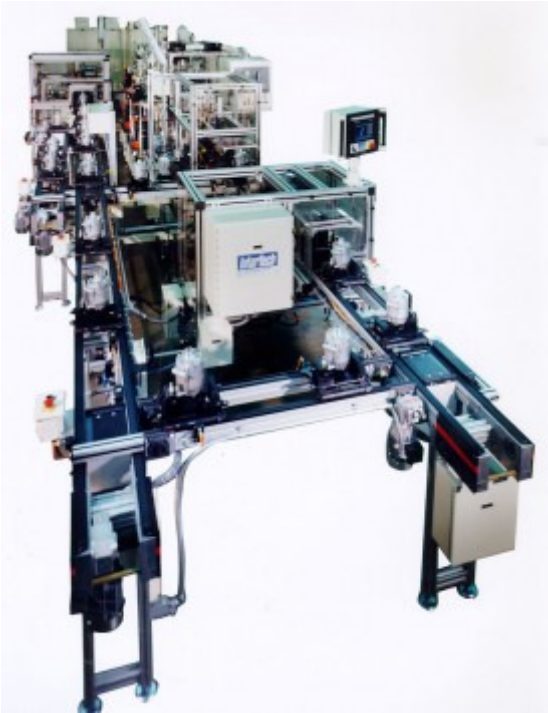
- An InterTech M-1075 Mass Flow Leak Detector controls the leak test cycle.
- Parts are tested to a 0.25 sccm limit at 6 bar. 3 different part configurations are accommodated.
- Parts are automatically marked, unloaded and diverted to either an accept conveyor or a reject bin.

Benefits

- **Measurement Capabilities:** Test R&R meets ISO9001 requirements.
- **Speed:** Patented downstream mass flow leak detection technology permits the fast and accurate testing of coolers using temperature compensation within 5°C of ambient.
- **Flexibility:** Quick-change fixturing adapts to short run production schedules.
- **Reliability:** Proven InterTech leak test instrumentation and fixture designs ensure production efficiencies. Patented bias leak technology assures failsafe operation of the test stand.

Automatic Compressor Helium Leak Test System

Test Stand automatically tests and sorts a family of compressors at a rate of 240 pph



Helium Leak Test System

Application

In helium leak testing, a test part is pressurized with a helium/air mixture in a test chamber. The test chamber is then evacuated so that helium is allowed to pass through any leakage points in the surrounding vacuum.

Mass spectrometer sampling of the helium in the vacuum chamber is carried out, and leaks as low as 10^{-6} sccs can be detected.

Features

- Helium leak tested to a 5×10^{-5} sccs accept/reject level at 180 psig (30% helium/air mix).
- InterTech M-1045 Vacuum Leak Detector controls the gross leak test.
- Charge block attach and detach operations are automatic.
- Reject parts are automatically diverted to a repair line and retested after repair.
- Test data is tracked and sorted for each tested part.