



Refrigeration Developments
and Testing Ltd

Retail display cabinet testing to BS EN ISO 23953

Testing of:

- Multi-deck cabinets.
- Full/half glass door cabinets.
- Well cabinets.
- Delicatessen cabinets.
- Special/bespoke cabinets.
- Integral or remote cabinets.
- Chilled or frozen cabinets.
- Testing for ECA accreditation.

We can also:

- Witness test at manufacturers' test facilities.
- Optimise performance of refrigeration systems (TEV or capillary).
- Carry out bespoke testing using real food or 'non standard' loadings.
- Help design and optimise cabinets.
- Redesign and rebuild cabinets using a combination of practical skills.
- Knowledge of air flow design and use of mathematical models.
- Troubleshoot problems in installed cabinets.
- Provide training courses to design, develop and test cabinets.
- Manufactures test packs used for cabinet testing.

Our range of testing services:

Standard Testing Service

1. Alter the cabinet set point with the aim to achieve the required temperature classification and low energy consumption.
2. Set the evaporating pressure to achieve the evaporating temperature specified by the customer (remotes only).
3. Run a 24 hour test as per the test standard.
4. Provide a test report giving methods of test, results and analysis of the cabinet performance.

Premium Testing Service

Standard service plus:

1. Adjust the evaporating pressure if necessary to optimise temperatures and energy consumption of the cabinet (remotes only).
2. Adjust the TEV to provide correct superheat (aim to achieve 3-5°C).
3. Adjust the defrost setting to optimise temperatures and energy consumption of the cabinet.
4. Provide a detailed test analysis report giving methods of test, results and analysis of the cabinet performance (including options to improve performance).

Super Premium Testing Service

Premium service plus

1. Make minor adjustments to the back panel to increase minimum temperature packs at the rear of the cabinet.
2. Add risers/weir plates to improve performance of the cabinet (if necessary).
3. Examine reason for non compliance with BS EN ISO 23953 temperature classifications.



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