

# S-B

*the fume cupboard & lab furniture people*

# Ecoline

*The high safety low energy fume cupboard*



BSI4175 supersedes the old BS7258 Part 4 and presents the fume cupboard with additional much more rigorous challenges. These tests are designed to help users and designers make better informed product selection. Ecoline has been fully independently tested to all aspects of this new European protocol.



# Ecoline

**An environmentally friendly fume cupboard which pays the highest regard to operator protection, through intelligent design and construction.**

- Independently tested to BS14175
- 40% less energy consumption
- Reduced air handling plant and costs
- Lower first cost
- Lower running costs

Research, development and testing has proven that the highest containment standards and operator protection can be achieved without wasting enormous amounts of heated and conditioned air. A 40% reduction in energy consumption not only provides a very important environmental benefit, the cost savings are such that Ecoline pays for itself.



# Ecoline

**A tough, durable fume cupboard which will withstand heavy and aggressive extended usage, through the use of resistant materials and robust construction.**

- Ergonomic design
- Solid Wall construction
- Speedy low cost installation
- Up to 22% more internal working space\*
- Safer and minimal lower cost maintenance

\*22% for 1200 units, 18% for 1500 units and 13% for 2000 units in comparison with traditional fume cupboards.



Ecoline has unique internal geometry, side stiles with purge and entrainment slots, front upper baffle and air high/air low alarm system. These features combine to give this fume cupboard the most efficient operator safety, environmental, initial and running cost ratio.



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## *Experience, Reliability & Efficiency*

**Experience** - **S-I-B** have been manufacturing and installing fume cupboards and laboratory furniture for over 40 years. Our Manchester offices, production plant and showrooms are always open to visitors. All are welcome to pop in at any time and a staff member will always be happy to provide a guided tour and answer any questions. Demonstrations can be arranged and third party reference and site visits can be organised.

**Testing** - **S-I-B** has a fully operational on site test room and all our product development prototypes undergo rigorous in house tests to BS14175. All new products are subjected to additional tests such as the Ashrae protocol, smoke tests, containment testing with hood loaded and with cross drafts. Once we are satisfied that we have a properly functioning product, we then send them out for independent type testing and certification. Test results are available on request.

**Alternative products** – Ecoline operates safely and efficiently at a fixed low volume (0.3m/sec face velocity) and can negate the requirement for expensive VAV air handling systems with their attendant operational and maintenance implications. **S-I-B** can also supply a full range of non by-pass fume cupboards from our Smart System product line which can be used where VAV is a requirement. Step in, Drive in and special application fume cupboards complete our standard portfolio and we are always happy to design and manufacture to customer specific requirements.

**Applications** – Fume cupboard applications are very diverse and whilst standard highly cost effective modular products will meet most customer requirements, our Technical Department is always happy to offer advise based on best practice and the experienced gained over many years installing fume cupboards in a very wide range of institutions. A variety of worktops, liner materials, fire suppressant systems, water wash and scrubber systems, bespoke alarms and vented storage are readily available.

**Clients** – **S-I-B** work extensively with architects, project managers, M&E consultants, energy consultants, safety advisors, quantity surveyors, main contractors, mechanical contractors and of course end users. The following is a small cross section of the many thousands of fume cupboard users we have provided for over the years.

**Universities** - UCL, Imperial College, Oxford , Cambridge, Exeter , Bath, Bristol, Cardiff, Bangor UEA, Aston, Birmingham, Leicester, Nottingham, Open, Surrey, Manchester , Liverpool, Lancaster, Durham, Newcastle, Glasgow, Strathclyde, Edinburgh, Dundee, Aberdeen and indeed most others.

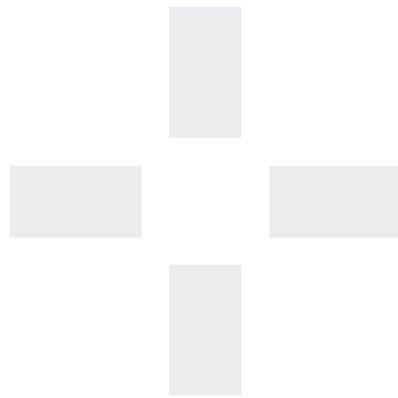
**Healthcare / Hospitals** – MRI, Guys Tower, Park Hospital, London Clinic, Christies, Welsh Blood Transfusion Service, Queens Medical Centre, Sutton Hospital, Institute of Child Health, Liverpool School of Tropical Medicine

**R&D and Pharmaceuticals** – Inveresk Research, Astra Zeneca, Glaxo Smith Kline Beecham, Merk Sharp & Dohme, Bristol Myers Squibb, Convatec, Cytotec, ICI, Avecia, Dow Corning, Novartis

**Food** – Food Research Association, Hazlewood Foods, Princess Drinks, Danisco, Cerestar, Nestle, Proctor and Gamble, Boddingtons, RHM

environment

*lab safety*



containment

*health*

**Assistance with planning and costing**

For brochure or full spec manual, please contact

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