EXPLORIS EcoPlus® – the energy-efficient fume cupboard
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PROVEN SAFETY AT 250 m³/h – WITHOUT AUXILIARY AIRFLOW
> Fulfills demanding robustness test requirements without expensive accessory air supply

EVEN MORE ECONOMICAL, THANKS TO LOW AIR CONSUMPTION
> Reduces fume cupboard operating costs by up to 30%
> Lowers purchase costs for the exhaust system

PROVEN EXPLORIS TouchTronic® FOR EASY AND RELIABLE OPERATION
> All safety-related information visible at a glance
> Intuitive operation of the automatic sash
> Integrated socket timers for precise power switching

EXEMPLARY SUSTAINABILITY
> Low air consumption for low environmental impact
> Steel construction for durability and trouble-free disposal

Reduces operating costs by up to 30%
The EXPLORIS EcoPlus® – a new standard for fume cupboards

MORE SAFETY

> EN 14175-3 (2004) raised the bar for the safety of laboratory fume cupboards even higher. In the demanding robustness test, fume cupboards must demonstrate that they can effectively contain harmful gases despite external disturbances.

> Köttermann manages to meet the strict German BG RCI limits, by achieving a volume flow rate of just 250 m³/h per metre of fume cupboard width. Highly effective protection with remarkably low air consumption.

COST-EFFECTIVENESS: A MAJOR BENEFIT

> The new EXPLORIS EcoPlus® reduces the consumption of costly conditioned air in the laboratory by up to 30%, in comparison to conventional fume cupboards. That saves energy, protects the environment and reduces operating costs per fume cupboard by as much as €1,000 per year.

> This ventilation system offers additional savings potential: Investment costs can be reduced by up to 20%, with narrower ducts and smaller fans.

CONVINCING NUMBERS:

<table>
<thead>
<tr>
<th>Operating time per fume cupboard (Fume cupboard width 1,500 mm)</th>
<th>Conventional fume cupboard</th>
<th>EXPLORIS EcoPlus®</th>
<th>Savings with EcoPlus®</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>cm³</td>
<td>€</td>
<td>cm³</td>
</tr>
<tr>
<td>1 hour</td>
<td>600</td>
<td>0.48</td>
<td>375</td>
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<tr>
<td>1 day (8 hours)</td>
<td>4,800</td>
<td>3.84</td>
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</tr>
<tr>
<td>1 year (250 days / 8 hours per day)</td>
<td>1,200,000</td>
<td>960.00</td>
<td>750,000</td>
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<tr>
<td>1 year (250 days / 24 hours per day)</td>
<td>3,600,000</td>
<td>2,880.00</td>
<td>2,250,000</td>
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</tbody>
</table>

Assumption: 1,000 m³ of conditioned laboratory air cost €0.80.