



Medium-Pressure Mercury Lamps (UV Lamp)

Product Catalogue

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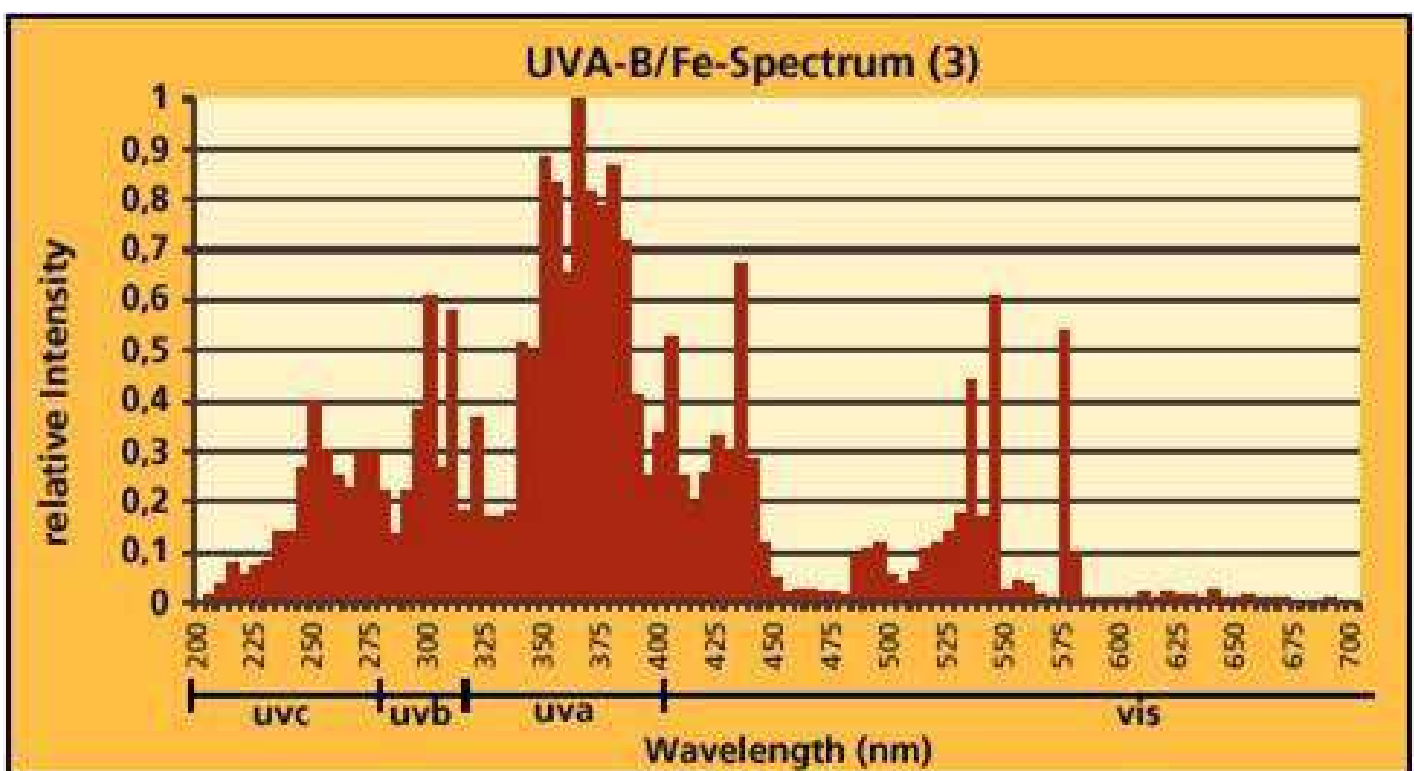
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Working

An ideal photochemical reactor lamp designed for carrying out photochemical reactors, including water splitting and photo-chlorination reaction. Carrying out a tightly-controlled, efficient and safe photochemical reaction is one of an essential need, especially in numerous chemical and pharmaceutical industries. The lamp has been designed with the SS nichrome mounting or holder, so that it can easily use in the photoreactor.

Medium-Pressure Mercury Lamps (UV Lamp)

It has much greater arcs and radiate peaks predominantly at 254nm, 356nm, and 365nm and cover the spectrum range of 200nm to 400nm emits in a UV range. Since it mainly emits UV range, it is also known as UV Lamp. The choice of lamp power and lamp is determined by the nature of the photoreaction and volume of the reactant solution.



Specifications

<i>Specifications</i>	<i>125W</i>	<i>250W</i>	<i>450W</i>	<i>1000W</i>
Lamp length	290mm, Including Mounting	290mm, Including Mounting	290mm, Including Mounting	290mm, Including Mounting
Lamp Teflon Holder	Yes	Yes	Yes	Yes
Lamp diameter	13mm	18mm	18mm	28mm
Average lamp life	800 hr	800 hr	800 hr	600 hr
Input Voltage	220V	220V	220V	220V
Operating voltage	110-120V, 3.2Amp	110-120V, 3.2Amp	110-120V, 3.2Amp	110-120V, 3.2Amp
Spectral range of Lamp	200nm-400nm	200nm-400nm	200nm-400nm	200nm-400nm
Peaks @	254nm, 356nm, and 365nm	254nm, 356nm, and 365nm	254nm, 356nm, and 365nm	254nm, 356nm, and 365nm
Arc Length	62mm	80mm	125 mm	164mm

Physical Properties:

- Packing – Airtight protective shield
- Light Colour – Bright Blue
- Average Life – 750 operating hours
- Storage – In safe vacuum packing
- Lamp Mounting - Mounted with SS-Nichrome rods

Lamp Variant : (Wattage)

125 W | 250 W | 450 W | 1000 W

■ Important Note:

Customization can be provided as per the required wattages

Applications

- Educational Research and Development (R&D)
- Environmental Engineering
- Alternative Energy
- Water Splitting
- Pharmaceutical processes
- Water Treatment
- Photo-chlorination
- Curing UV lamp



Features

- High luminescence
- High-end electrode material
- Hot restarting function
- High shelf life
- Constant provider of UV range light spectrum
- Highly stable arc
- Low glow on start and then at least 3-5 minutes required to glow on full intensity
- Designed using advanced engineering for optimal application



Storage, Precautions & Disclaimer

This product should be stored at room temperature and Pressure, and its stability is indefinite. It should not be stored out of box for the safety purpose. These products are for R&D and industrial use, not for drug, household, personal, or other uses.

Packaging

It is packed in a shockproof box within a light-protected, moisture-free environment. The box is again packed in the 4-ply corrugated box for more safety to avoid breakage of lamp.

Handling & Safety

- The Power supply and ignitor is necessary for the working of the lamp.
- Water Cooling is must while lamp operation.
- The durable double-jacketed quartz immersion well is required to circulate cooling water.
- The inner immersion well is fixed with a water inlet and outlet for ideal water circulation during the photochemical process.
- The operator should wear the UV goggle to protect from the UV radiations.



Feel Free to Reach Us

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