



Deuterium Lamps

www.varsal.com

Varsal introduces a new line of performance enhanced deuterium arc lamps. Each lamp is designed to provide long life, consistent intensity and high stability.

Select the lamp you need for some of the more common analytical instruments in the market or let us engineer a deuterium lamp specific to the unique requirements of each manufacturers HPLC, spectrophotometer, medical analyzer and pollution measuring device. Our technical ability to customize a lamp to meet the optical, electrical and mechanical specifications of each instrument is only surpassed by the company’s passion for customer service excellence and on-time delivery responsiveness



Varsal Benefit



Your Advantage

| | |
|--|---|
| <p>Long Life The proprietary design, production process and quality components assure 2000+ hour life of each lamp – guaranteed</p> | <p>Cost Savings & Operator Convenience</p> |
| <p>Consistent Intensity The internal design provides fixed spacing between each electrode and aperture to provide a high level of consistent intensity with each lamp.</p> | <p>Reliable Performance</p> |
| <p>High Signal Stability The proprietary cathode material, heating and coating process optimizes temperature distribution to minimize energy level fluctuation.</p> | <p>Continuous Stable Operation</p> |
| <p>Focus on Quality Strictly controlled ISO9001 production processes are continuously monitored. Similarly, our customer service is readily available to provide you the best service – always!</p> | <p>Your Expectations are Always Met</p> |

The Total Varsal Advantage

As Varsal designs and manufactures a complete line of HPLC, UV/VIS, AAS instruments and spectroscopy consumables, we know the critical importance of a quality light source. Our engineers' knowledge of the optical, electrical and mechanical systems of spectrophotometers assures you our deuterium lamps deliver long-lasting, superb performance. Let us design a lamp for you today!

Specifications

| Window Material | Spectral Distribution (nm) | Aperture Diameter (mm) | Output Stability | | Starting Voltage (V dc) | Anode Current (mA dc) | Anode Voltage (V dc) | Filament Ratings | | Lamp Life (hr) |
|-----------------|----------------------------|------------------------|------------------|---------------------|-------------------------|-----------------------|----------------------|------------------|-------------------|----------------|
| | | | Drift (%/hr) | Fluctuation (% p-p) | | | | Voltage (Vdc ac) | Current (A dc ac) | |
| UV Glass | 160-400 | 0.5 | ±0.5 | 0.005 | 400 | 300 | 70-95 | 2.5→1 | 4→1.8 | 2000 |
| UV Glass | 160-400 | 1 | ±0.5 | 0.005 | 350 | 300 | 65-90 | 2.5→1 | 4→1.8 | 2000 |
| UV Glass | 185-400 | 0.5 | ±0.5 | 0.005 | 400 | 300 | 70-95 | 10→7 | 0.8→0.5 | 2000 |
| UV Glass | 185-400 | 1 | ±0.5 | 0.005 | 350 | 300 | 65-90 | 10→7 | 0.8→0.5 | 2000 |

Note: See-through designs and lamps using other window materials are available.

Custom Build

Varsal will build you a lamp to fit many analytical instruments in the market today. Lamps can be supplied with mounts or just as a bare bulb. Visit our website at www.varsal.com to review our OEM capabilities.

Warranty

Each lamp is covered by a standard 2000hr limited warranty. Varsal will replace any lamp that does not perform to its specification. We guarantee 100% satisfaction whenever you select our deuterium lamps.

Disposal of Lamps

When disposing a used lamp, be sure to comply with all state, province and country regulations to ensure the disposal is legal and environmentally proper.

Ordering Information

All orders can be placed at the below listed address.

