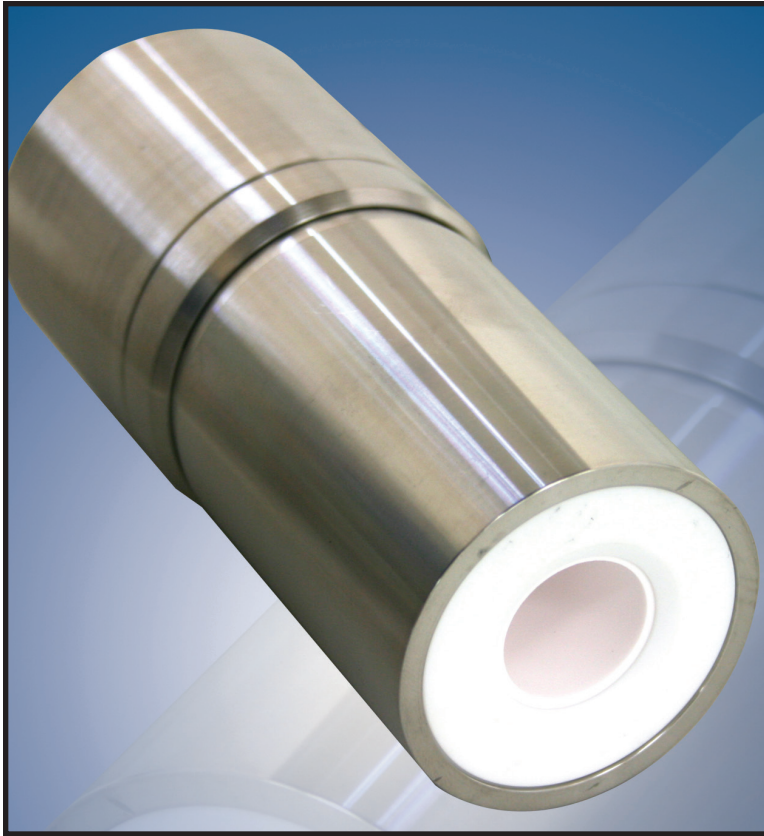


OLED

Low Temperature Evaporator



Kurt J. Lesker
Company

PROCESS EQUIPMENT
DIVISION

Features

- Ability to deposit volatile materials for the fabrication of OLEDs, Photovoltaic Cells, Perovskite's, and other devices.
- A unique quick removal system for easy cleaning and refilling.
- Temperature Control to $\pm 0.1^{\circ}\text{C}$
- Multiple Sources to co-deposit dyed or doped films.
- Efficient heater winding to ensure optimum heating profile.

Source

- Designed for use with low temperature volatile material.
- Thermocouple in contact with base of crucible to give accurate temperature readings.
- Operates at low temperatures with PID controls in ranges of 50-600°C
- Low cost compared with conventional Knudsen Cell.
- Easily removable source cover for crucible refilling and exchange
- Base mounted connections for power and thermocouple
- Alumina crucible evenly distributes temperature and reduces organic spitting
- Ability to grow $\pm 3\%$ uniform films on a 150x150mm substrate

Flip Shutter

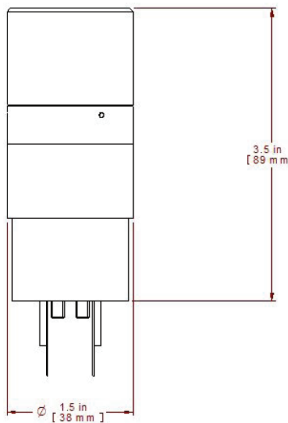
- Integral pneumatically actuated flip shutter
- Quick release shutter to easily remove and clean the assembly

Low Temperature Power Supply

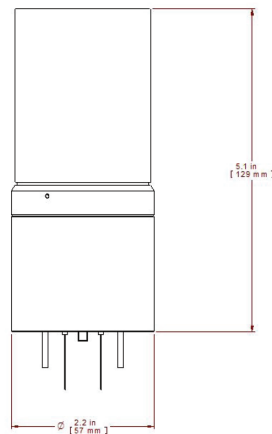
- Single channel and sequential control options available
- Temperature control with Eurotherm 2408 PID Controller $\pm 0.1^{\circ}\text{C}$
- Multiple stored programs for multiple materials
- Auto tuning modes & adjustable alarm conditions
- Rate control input compatible with commercially available deposition controls
- CE approved

Typical Rates at 300mm Throw Distance

Alq3	0.2 to 5 Angstroms/sec
PTCDA	0.2 to 2 Angstroms/sec
CuPc	0.2 to 2 Angstroms/sec
C₆₀	0.2 to 2 Angstroms/sec



1cc LTE



10cc LTE

Dimensions Approximate

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