

Model 732-1 Deuterium Lamp Power Supply

- Works with most Deuterium 30W Lamps
- Fully Automatic Operation from Warm-Up to Steady-State operation
- Soft and Reliable Ignition including Hot-lamp Restart
- Heating Voltage 12V (Standard, 2, 2.5, 10V Optional)
- Start Time 10 Seconds
- Automatic Re-Start
- Front Panel Status Indicators
- Safety Interlock System
- 90 TO 264VAC 47-63Hz Operation
- Provides External 24V for Cooling Fan (not supplied).

Protect your Deuterium Lamp investment. Use our top-of-the line power supply with the electronics and safety necessary to achieve optimum lifetime from your lamp. Our Model 732-1 is an extremely reliable, high performance, power supply designed for operation of Deuterium Lamps. Designed for use with the McPherson Model 621 light source system and may be adapted for use with customer-designed lamp and enclosure. Please inquire.

Turning the front panel Power Switch on initiates the Deuterium lamps ignition. The unit automatically provides the warm-up voltage for 10 seconds. After the lamp illuminates, voltage adjusts to 3V (1, 6V optional) and the external fan operates to cool the lamp. If the lamp does not start, the Model 732-1 will automatically retry.

Safety interlock system disables the power supply if the fan cable is not connected or if an interlock switch on the lamp enclosure (McPherson 621 or customer-provided) is activated.

Provided with AC Power Cord, Lamp Cable, and Fan Cable



Model 621 Lamp Housing with Deuterium Lamp Installed (Model 732-1 power supply not shown)

Part No.	Description
8181-3520-1	Model 732-1 Stable DC Power Supply 90 TO 264VAC 47-63Hz Operation

Specifications	
Heater Voltage, Warmup	12VDC
Optional	2, 2.5, 10VDC
Heater Current, Warmup	0.9A
Heater Voltage, Operating	3VDC
Optional	1, 6VDC
Heater Current, Operating	0.3A
Lamp Start Time	10 Seconds
Anode Voltage (with lamp)	55-110VDC
Anode Voltage (no lamp)	140VDC
Anode Current	300mA
Current Stability	0.0005%
Strike Voltage	600-50V
Lamp Power	30 Watts
Ripple (rms)	<0.05%
Drift	<0.2%, <
AC Input	90 to 264VAC
Frequency	47 to 63Hz
Power	<45W
AC Input Fuse	1 Amp
Efficiency	83%
Front Panel Indicators	Power, Lamp, Restart
Front Panel Switch	Power On/Off
Rear Panel Connectors	Lamp, Fan, Power
Fan Output	24VDC
Dimensions	5.5 x 8.37 x 12 Inches
Weight	8lbs.
Temperature, Operating	5 to 35°C
Temperature, Storage	-40 to 60°C
Humidity	<95% Non-Condensing