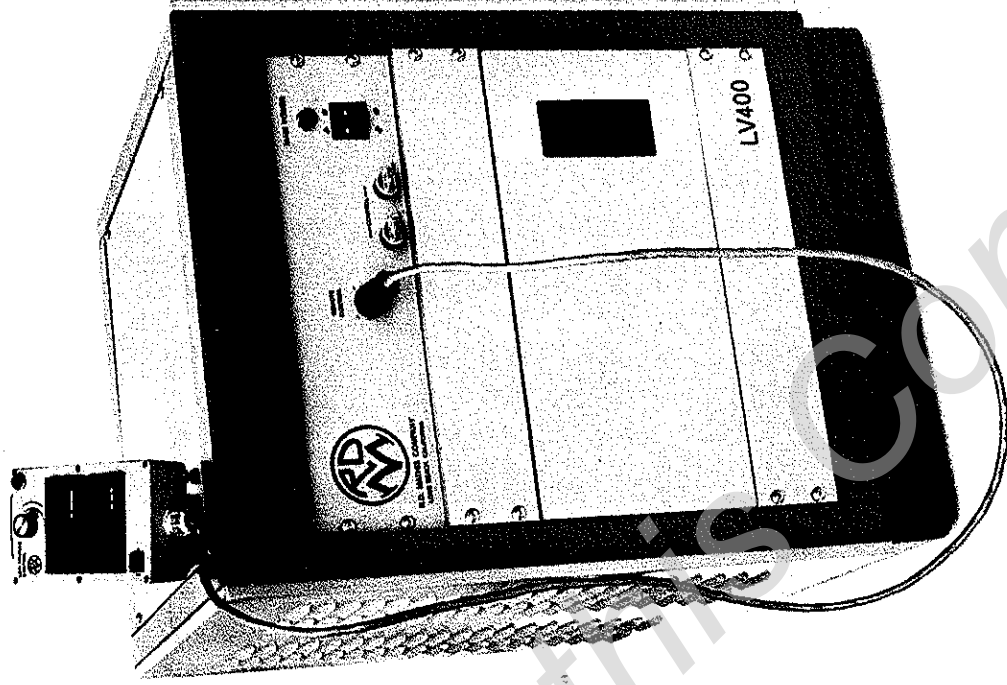




## LOW VOLTAGE, HIGH CURRENT AC POWER SUPPLY "LV SERIES"

### FEATURES

- Low Profile
- SCR Controlled Transformer
- 100% Duty Cycle
- Hand-Held Cable Remote Control, with Manual Voltage Potentiometer and Digital Meters
- 5, 10, 20 & 40 Volt Tap Switch
- Silver Plated Switch and Output Terminals
- Digital Meter, Secondary Voltage and Current
- Soft Start on Power Up
- Current Limiting
- 4-20, 0-5, 10-50 Milliampere & 0-10 Volt Control Signal Input Capabilities
- Emergency Off Button and Interlock Protection on Access Panel and Door



### DESCRIPTION

The "LV Series" is a low voltage, high current AC power supply. The power supply's primary use in the thin film industry is supplying power to resistance (thermal evaporation) sources. The low voltage, high current AC power supplies were designed to meet a growing need for versatility and reliability in the industry. Units incorporate a hand held control that allows an operator more freedom to move closer to the viewing port or the monitoring instrumentation. The low voltage, high current tap switch enables voltage range changes without having to relocate bulky cables. The conservative power rating allows the units to run cool, while rugged construction and quality parts make it reliable.



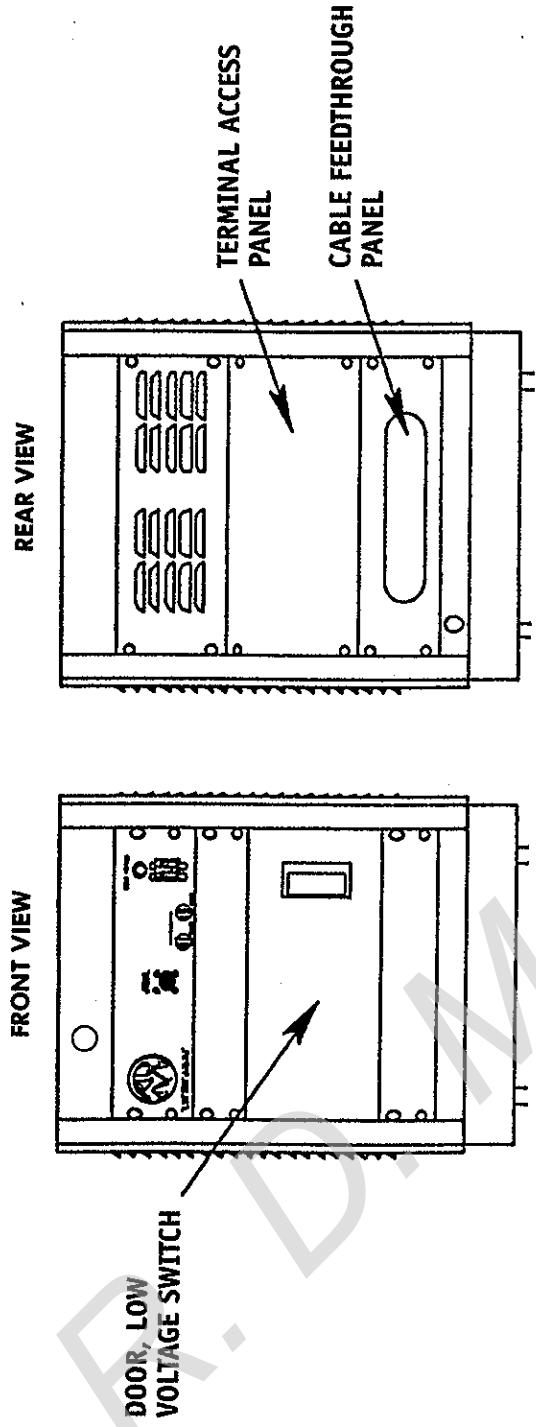
**THE R.D. MATHIS COMPANY**

P.O. Box 92916 • Long Beach, CA 90809-2916 • (562) 426-7049 • (562) 595-0907 fax



THE R.D. MATHIS  
COMPANY

## LOW VOLTAGE, HIGH CURRENT AC POWER SUPPLY "LV SERIES" SPECIFICATIONS



<b>Model Number</b>	LV400	LV750
<b>Power Rating</b>	4 KVA (5.5 KVA Surge)	7.5 KVA (10 KVA Surge)
<b>Power Required</b>	208/220/240 VAC 1 Phase, 50/60 Hz. 25 Amps	208/220/240 VAC 1 Phase, 50/60 Hz. 45 Amps
<b>Power Output</b>	0-5 VAC @ 800 Amps 0-10 VAC @ 400 Amps 0-20 VAC @ 200 Amps 0-40 VAC @ 100 Amps	0-5 VAC @ 1500 Amps 0-10 VAC @ 750 Amps 0-20 VAC @ 375 Amps 0-40 VAC @ 188 Amps
<b>Output Terminals</b>	Silver Plated Copper 3/8" x 2" x 2" with 9/16" dia. hole in center	Silver Plated Copper 1/2" x 3" x 3" with 4 ea. 7/16" dia. holes
<b>Switch</b>	Silver Plated 4 Position Blade Type with Screw Knob Release	
<b>Dimensions</b>	24" Wide x 22.5" Deep x 30.25" High	24" Wide x 30.9" Deep x 30.25" High
<b>Weight</b>	343 lbs.	616 lbs.
<b>Shipping Weight</b>	400 lbs. Approx.	700 lbs. Approx.

### ACCESSORIES

250 AMP (4/0 AWG) Welding Cable (Approx. 0.83" O.D.) with Terminal Lugs (3/8" or 1/2" Bolt Hole)  
500 AMP (500 kcmil) Welding Cable (Approx. 1.25" O.D.) with Terminal Lugs (5/8" Bolt Hole)  
*Please specify: cable length in feet and lug sizes when ordering.*



THE R.D. MATHIS COMPANY

P.O. Box 92916 • Long Beach, CA 90809-2916 • (562) 426-7049 • (562) 595-0907 fax

We are specialists in the custom fabrication of Hi-Vacuum evaporation sources with complete and highly flexible refractory facility... Our comprehensive catalog is available upon request.