

## BLP 79-PULSE

### Solid State Power Supply for UV lamps

**Step less adjustable from 900 to 7,500 W, with a pulse power up to 9,000 W (3 sec)**

These fully electronic power supply units are basing on the well known BLP 75, have the same housing, footprint and control. They are designed to drive uv-lamps in the various fields of industry, e.g. printing, packaging and any application which uses uv-lamps up to 9,000 W pulse power in non continuous processes, like cup printing.

#### Special Advantages:

- Universal use in the nominal power class of **4,000 to 7,500 W**, this means ONE power supply drives different types of uv-lamps in the above named power class
- 9kW pulses up to 3 sec. each
- Step less and very quick adjustment of uv-lamp power, e.g. for step less adjustment of uv-power relative to the speed of a printing machine and with interrupted processes (e.g. quick power pulsing); or to adjust uv-power relative to lamp ageing
- To be placed in a cabinet or similar cooled housings, with max. temperature inside 35°C (BLP75 has protection degree IP 20)
- Constant wattage uv-lamp output according to power settings
- Not influenced by mains voltage fluctuation
- Wide range of 3-phase mains voltages from 376 to 509 V, 50 and 60 Hz
- Including missing phase detection & Controlled by DC 0...10 V
- Output is protected against ground faults, overload and short circuits, additionally open circuit causes no problems
- Easy to install & less wiring needed, no phase angle correction & no external ignitor needed
- Lighter and in many cases smaller as a conventional power supply
- In accordance to EN 50178 (VDE 0160) and other European and world wide standards (IEC)
- CE sign, EMC according to EN 55011, group I, class A (industrial areas)



#### Main technical data

BLP 79-Pulse	
Output power	approx. 900 – 7,500 W (continuous), step less adjustable up to 9,000 W (for max. 3 sec. long pulses)
Mains voltage	376 to 509 V
Mains current (at 7500W), (at 9000W)	3x 17A to 3x 13A (PF >= 0.8) (3x max. 20A for 3 sec.)
Mains frequency	50 to 60 Hz
Mains connection	L1, L2, L3, PE
Typical lamp arc length	~ 15 to 70 cm (6" to 27") Hg lamps ~ 15 to 60 cm (6" to 24"), doped lamps
Lamp operating voltage	100 to 450 V (nominal value)
Lamp operating current	approx. 1.8 to 18 A (up to 21A for max. 3 sec.)
Duty frequency	approx. 255 Hz
Power loss	6 to 8 %
Ambient temperature	0° to 35°C (32 to 104 F)
Dimensions (WxHxL)	approx. 121 x 270 x 400 mm
Weight	15 kg
Cooling of the unit	external, with 2 mounted fans (internal supplied)
Analog power control input DC 0...10V	DC 0 - 0.5 V = OFF; DC 1 – 10 V = ON and lamp power 10-100% - 900-9000W
Analog output for lamp voltage DC 0...10V	DC 0 – 8 V = AC 0 - 500V, DC 8.5 - 10V = lamp is OFF