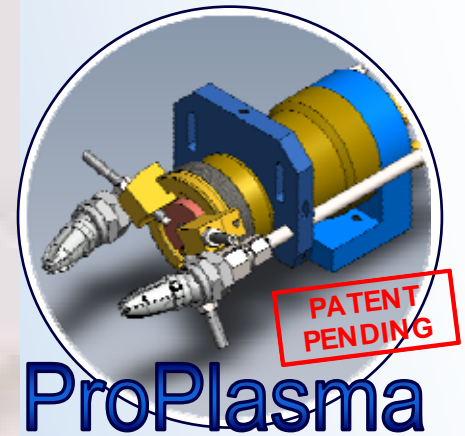


Saint-Gobain - Coating Solutions

Pro Plasma

PR 80-8 Power source

For designing its range of power sources, Saint-Gobain integrated the IGBT technologies known as inverter technology. The IGBT-based power sources are more efficient and have better current stability than non-inverter power sources. It results a higher plasma arc homogeneity. The power of PR 80-8 ranges from 20 to 80 kVA and it is designed to cover the needs of thermal spraying processes up to 800 AMPS (also available 100kVA – 1000 AMPS).



Versatile, accurate,

- Being composed of 4 or 5 power modules (20kVA – 200 AMPS each), our power source can run only with 3 modules in case of shutdown of one. This feature allows to reduce down time of the equipment.
- Thanks to the excellent arc stability coupled with the optimised ignition sequences, our technology reduces the wear of the gun electrodes.
- Our PR 80-8 has a good electrical efficiency 52 to 68 % from 400AMPS (16KW) to 700 A (64KW) on secondary. It reduces the network power input and reduces also the cost of the power thanks to its low Cos ϕ ,
- The PR 80-8 is modular and accessible for maintenance. Its low overall floor dimensions and its low weight allow easy integration on a roof.

PR 80-8 ProPlasma Power Source

- Maximum operation power : 65 kW (80kW*),
- Maximum operation current : 800 AMPS (1000 AMPS*),
- Maximum continuous operation voltage 80 V,
- 1 command module + 4 power modules (can be extended to 5*),
- Quick exchange capability for each power module,
- Overall dimensions L 750 x W 650 x H 1200 mm,
- Net weight : 240 kg
- Primary supply : 3x 400 V – 50/60Hz - 160 AMPS Max - 80KVA Max
- Operating factor 100% à 25°C
- Operating temperature at the air inlet of the power source : 25°C

* : features with the PR 100-10 - 100KVA 1000 AMPS power source.

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