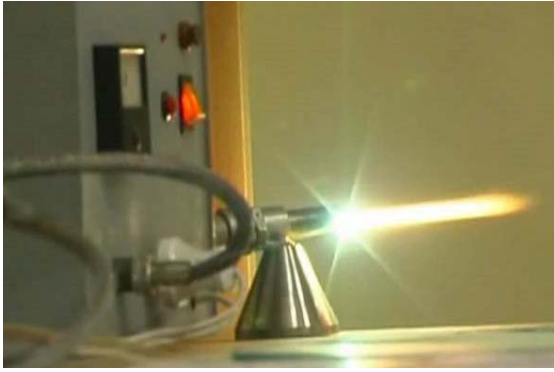


5.07. PLASMA SYSTEM FOR FUEL IGNITION OF GAS TURBINE ENGINES



Plasma system is intended for fuel ignition in the combustion chamber of gas turbine engines.

Advantages:

- increase of the reliability of gas turbine engines start-up;
- reduction of temperature fluctuations in the combustion chamber;
- reduction of fuel pressure threshold;
- reduction of the ignition delay time.

Main technical specifications:

| | | | |
|--|----------------|--|----------------|
| Rated arc current | 3,0A \pm 15% | Weight of the power supply | 6,5 kg |
| Rated voltage on the arc | 280V \pm 20% | Overall dimensions of the power supply | 190x230x280 mm |
| Supply mains voltage | 220V \pm 15% | Weight of plasma igniter VPL-13 (ВПЛ-13), no more than | 0,18 kg |
| Current frequency of supply mains | 50Hz | Arc burning time, no more than | 25 s |
| Consumed current from the supply mains, no more than | 6,0A | Plasma air consumption, no more than | 0,12 g/s |