

plasmaBOX

An attractive entry into the range of plasma-arc welding



- ***plasmaBOX*** facilitates in connection with water-cooled TIG-DC-welding appliances an easy and cost-effective design of a welding unit suitable for direct-current plasma arc welding.
- High productivity, low level of warping during welding process and a high weld quality by welding high alloy steel.
- High power density for the welding of copper and copper base alloy.
- The pilot arc guarantees a 100 % ignition certainty (contactless).

Technical Data:

Mains voltage: 1x 230 V
Power frequency: 50/60 Hz
Mains fuse: time-lag 16 A
Pilot current: 3 - 15 A
Weight: 12 kg

Max. welding current: 250 A
Duty cycle: 100 %
No-load voltage: 95 V
Dimensions WxHxD (mm): 305 x 260 x 400

Functional characteristics:

The **plasmaBOX** offers the following characteristics:

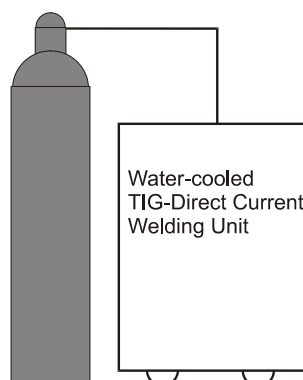
- ⇒ High efficient inverter technology.
- ⇒ Water surveillance during water forward process.
- ⇒ Continuously adjustable pilot current between 3 and 15 A, in accordance with size of electrode.
- ⇒ Flowmeter for pilot gas, adjustable from 0.1 up to 1.1 litres/min, option from 0.2 up to 3.0 litres/min.
- ⇒ Central connection for plasma-arc welding torch.
- ⇒ Rapid action coupling devices for cooling water connection.
- ⇒ 7-pole socket to loop through the line for welding torch key.

Application of the **plasmaBOX**:

- ⇒ The **plasmaBOX** is connected at the back of the device to the water-cooled TIG-DC-welding unit by a connecting tube set.
- ⇒ By a supply of the plasma gas (Ar) through a pressure regulator and the use of a plasma arc-welding torch the plasma welding unit becomes ready for welding.

Provided by the user

Shielding gas (Ar, Ar/H₂)



Necessary completion for plasma-arc welding

Plasma gas (Ar)
(incl. pressure regulator)

