

## plasmaBOX



## An attractive entry into the range of plasma-arc welding

- » MIG·O·MAT 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 stainless steel.
- » High power density for the welding of copper and copper base alloy
- » The pilot arc guarantees a 100 % ignition certainty (contactless)

### Functional characteristics

The plasmaBOX offers the following characteristics:

- » High efficient inverter technology
- » Monitoring of the coolant flow
- » Continuously adjustable pilot current between 3 and 15 A, in accordance with size of electrode
- » Flowmeter for pilot gas, adjustable from 0.15 up to 1.5 litres/min (other ranges on request)
- » 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

Technical Data	<i>plasmaBOX</i>
Mains voltage	1x230V 50/60Hz
mains fuse	16A träge
max. welding current	250 A
Duty cycle	100%
Pilot current	3 - 15A
No-load voltage	95V
Dimensions WxHxD [mm]	305 x 260 x 400
Weight	12kg
Colour	RAL2002

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### 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



### Necessary completion for plasma-arc welding

