



## Ferrosilicon Production Plasma Arc Furnace Crucible Furnace High Electrical Efficiency

Our Product Introduction

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### Basic Information

- Place of Origin: CHINA
- Brand Name: OEM
- Certification: CE Certification
- Model Number: OEM
- Minimum Order Quantity: Negotiable
- Price: Negotiable
- Packaging Details: Carton, pallet, wooden case or according to customer's package requirements
- Delivery Time: 30 working days
- Payment Terms: 30% deposit + 70% T/T before shipping
- Supply Ability: 20 sets per month



### Product Specification

- Type 1: Electric Arc Furnace
- Material: Copper And Steel
- Type 2: Ladle Furnace
- Type 3: CURRENT CONDUCTING ELECTRODE ARM
- Type 4: Rectangular Welded Box Type
- Type 5: Electrode Dia. 600 Mm
- Highlight: eaf electric arc furnace,  
direct arc electric furnace

### Product Description

#### Electric Arc Furnace CURRENT CONDUCTING ELECTRODE ARM copper steel

Our design and construction are time tested and proven. It offers you the benefits of low maintenance cost while improving electrical efficiencies.

Our

The clamping device is easily accessible for inspection and repairs.

The clamp ring can be quickly removed in the event of damage from [electrode](#) breakage or arcing.  
Copper clad explosion plate is used in the construction of the arms to ensure there is no lamination in the material.

The arms are made of a rectangular welded box type design and copper plated in the areas of main current flows.

The terminal connections for the cables will be made of a forged copper section which will accept your current cables with no modifications.

The entire arm body is water cooled from inside.

All critical components on the electrode arms are protected within the copper clad steel. This includes the water piping for the spray rings and the hydraulic lines for the clamping mechanism.

The electrode shoe is designed for a flat connection to the arm body. This allows for easy replacement and repairability. Alignment of the shoe is simplified and costs are reduced.

The contact shoe is made of forged copper with bored water cooling channels to achieve good heat transfer. Water supply is maintained by a flanged water connection.

Electrode Dia. mm	Electrode Distribution Circle Dia mm	Transformer		Reference EAF Ton	Arm cross section H×W mm	Electrode releasing cylinder pressure Mpa/medium	Water cooling	
		Rated current KVA	Secondary current KVA				Consumption M3/h	Connecting pipe
Φ300	Φ620-Φ800	3200	7.7	5	430×260	5/water base 0.4/Air	8	G1/2"
Φ350	Φ700-Φ950	5500-8000	12.2-17.7	10	430×260	5/water base 0.4/Air	8	G1/2"
Φ350-Φ400	Φ800-Φ1120	8000	17.715	15	450×260	5/oil,water base	10	G3/4"
Φ400	Φ800-Φ1150	9000-12500	17.32-26.7	20	500×360	5/oil,water base	14	G3/4"
Φ400-Φ500	Φ900-Φ1050	12500-18000	26.7-30.28	30	530×360	5/oil,water base	16	G3/4"
Φ500	Φ900-Φ1100	25000-40000	37.9-48.6	50	680×450	5/water base, glycol	22	G1"
Φ500-Φ550	Φ1050-Φ1100	31500-50000	42.7-54.4	75	700×450	5/water base, glycol	28	G1"
Φ600	Φ1100-Φ1200	50000-63000	54.4-62.1	100	800×450	6/water base, glycol	30	G11/4"
Φ600	Φ1100-Φ1200	63000-80000	62.1-69.9	100	800×450	6/water base, glycol	32	G11/4"



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