

Plasma Cutting Torches "ABICUT" air cooled

Rating up to 40 A

Air cooled Plasma Cutting Torches ABICUT are particularly suitable for plasma cutting applications in the range of 20 to 75 Amps in all cutting positions. Robust in construction, innovative in design.

- ☒ Ergonomic designed, short handle – optimal handling
- ☒ Innovative trigger guard – for safe operating

- ☒ Positive trigger action – comfortable functioning
- ☒ Robust construction and optimal cooling – long lifetime of torch and wear parts
- ☒ Contact ignition reduces costs for thermal cutting
- ☒ Compatible with all popular plasma cutting power sources

ABICUT 25K



ABICUT 45



ABICUT 25K

Technical data (EN 60 974-7):

- Type of cooling: air cooled
- Pilot current: 10–15 A (max. 18 A)
- Rating: 20 A (at 35 % Duty cycle)
- Type of gas: Compressed air
- Gas flow: approx. 29 l/min.
- Working pressure: 2 bar
- Air value defined with nozzle size 0.65 mm:
 - Plasma air: approx. 8.5 l/min.
- Gas post flow: ≥ 60 sec.
- Type of ignition: Contact
- Gas supply: Compressed air both for plasma and cooling gas
- Cutting thickness: 6 mm at 20 A depending on material to be cut and power source

ABICUT 45

Technical data (EN 60 974-7):

- Type of cooling: air cooled
- Pilot current: 10–15 A (max. 18 A)
- Rating: 40 A (at 60 % Duty cycle)
- Type of gas: Compressed air
- Gas flow: approx. 119 l/min.
- Working pressure: 5 bar
- Air value defined with nozzle size 0.8 mm:
 - Plasma air: approx. 15.5 l/min.
- Gas post flow: ≥ 60 sec.
- Type of ignition: Contact
- Gas supply: Compressed air both for plasma and cooling gas
- Cutting thickness: 10 mm at 40 A depending on material to be cut and power source

Torch complete		Part-No.	
Type	Connector	4 m	6 m
ABICUT 25K (2-core)	Single connector	748.0054.1	–
ABICUT 25K (4-core)	Single connector	748.0047.1	–
ABICUT 45	Single connector G1/4"	–	748.0046.1
ABICUT 45	Central connector	–	748.0056.1

Torch body	
Type	Part-No.
ABICUT 25K / 45	748.0020.1
ABICUT 25K / 45	748.0020.1
ABICUT 25K / 45	748.0020.1
ABICUT 25K / 45	748.0020.1





¹ For user's safety, please pay attention that the power source is equipped with a central socket corresponding to EN 60 974-1. In case of order, please indicate the machine type and the plug encoding.

ABICUT 25K, ABICUT 45





Wear parts



ABICUT 25K

ABICUT 45

				
Electrode (10 pcs.)	Standard	long	Standard	long
	748.0032.10	748.0048.10	748.0032.10	748.0048.10

		
Swirl ring (2 pcs.)	748.0033.2	

				
Nozzle (10 pcs.)	Standard	long with cross groove	Standard	long with cross groove
Ø 0.65 mm / 20–25 A	748.0034.10	–	748.0034.10	–
Ø 0.80 mm / 20–40 A	748.0035.10	–	748.0035.10	–
Ø 0.90 mm / 20–40 A	–	748.0049.10	–	748.0049.10
Ø 1.00 mm / 30–40 A	748.0061.10	–	748.0061.10	–

		
Shield cap (2 pcs.)	748.0042.2	
25 A / 45 A	748.0042.2	
30 A (3-hole)	748.0063.2	
35 A (4-hole)	748.0052.2	

		
Distance spring (5 pcs.)	748.0050.5	

	
Multiple spanner (1 pc.)	748.0059.1