

Product group: 192      Product number: 310331

The UPC-310ML is ideal for cutting all electrically conductive steels up to a maximum thickness of 12mm. It is able to function on any supply voltage between 110 V to 230 V.



Product information

This product supersedes product no: 310310

EU Ecodesign Compliant Welding Machine

Supplied with:

- Torch with 6m cable (connected directly to machine)
- Return clamp with 6m cable and DIX25 connector
- 3.5m primary cable mounted on the machine
- Initial supply consumables kit consisting of 2 x Electrode, 2 x Tip Drag and 1 x Cartridge
- Air regulator with filter and water separator mounted on machine

Features

- Lightweight, portable and easy to operate
- Performs recommended cut of 8mm at cutting speed of 400mm/min and quality cut of 10mm at cutting speed of 200mm/min
- Equipped with Intelligent Voltage Reading (IVR) function to indicate the end of life for plasma consumables
- Torch with safety trigger as per CE standard and "Reset" button" to avoid accidental trigger
- IP23 ingress protection with high resistance to dust and moisture

Benefits

- Safe and compliant for maritime and outdoor useThe plasma cutter may easily be passed through manholes and brought to any workplace on board vessel for maintenance and repair works
- Excellent cutting performance and versatile as it can cut a wide range of electrically conductive steels such as mild and stainless steels, castings, aluminium, titanium as well as copper alloys
- Quality cut with lesser distortion and smaller Heat-Affected Zone (HAZ) compared to traditional oxy-fuel cutting process
- Uses Pilot Arc and not High Frequency (HF) blowback ignition system which does not interfere with shipboard radio communication or other electronically controlled equipment
- Spare part kit available for easy repair and to minimise downtime

Specification

General

Invent Hazard Material (IMO/EU) classification	D-1
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Dimensions/Weight

Dimensions L x W x H [mm]	430 x 160 x 350
Weight [kg]	15.4

Technical data

Air flow [l/min]	100
Air pressure [bar]	5.5
Duty cycle [%]	20%
Ingress protection	IP23S
Temperature class	H
Voltage [V]	1 phase 110 - 230 50/60Hz main supply

Documents

- [310331\\_UserManualRev01](#)
- [310331\\_Troubleshooting Manual PW](#)
- [SDoC and MD for IHM](#)

Related products

Accessories

- 624585  
AIR LINE UNIT FIL/REG/LUB
- 176024  
PORTABLE WELD.TABLE
- 310326  
CIRCLE CUTT. GUIDE F/UPC-310ML, UPC-NEO NG

Spares

**310333**  
TORCH HEAD FOR UPC-310ML/UPC-85ML

**310332**  
TORCH WITH 6M CABLE FOR UPC-310ML

**310341**  
TOTAL REPAIR KIT F/UPC-310ML

**Consumables**

**310336**  
TIP DRAG CUTTING FOR UPC-310ML/UPC-85ML, SET OF 5 PCS

**310338**  
CONSUMABLE KIT FOR UPC-310ML

**310335**  
START CARTRIDGE FOR UPC-310ML/UPC-85ML

**310334**  
ELECTRODE FOR UPC-310MUPC-85ML, SET OF 5 PCS

**310337**  
SHIELD CUP BODY FOR UPC-310ML/UPC-85ML

**Is frequently bought together with**

**510420**  
LEATHER APRON F/WELDING

**632786**  
WELDERS GLOVES. 6 PAIRS

**510438**  
LEATHER JACKET LARGE

**510453**  
LEATHER SPATS. PAIR

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