

Product group: 192 Product number: 404200

The UPC-NEO NG is a new-generation, high performance, portable manual plasma cutting and gouging machine. It offers excellent weight-to-cutting ratio, can cut up to 40mm thickness of steel while weighing only 25kg.



Product information

EU Ecodesign Compliant Welding Machine

Supplied with:

- Torch with 6m cable (connected directly to machine)
- Return clamp with 6m cable and DIX25 connector
- 4m primary cable mounted on the machine
- Initial supply consumables kit consisting of 2 x Electrode, 2 x Tip Cutting, 1 x Cartridge and 1 x Shield Cup
- Air regulator with filter and water separator mounted on machine

Note: Plug for the primary cable must fit the socket types used on board and is therefore not included.

Features

- Performs recommended cut of 20mm at cutting speed of 500mm/min and quality cut of 25mm at cutting speed of 250mm/min
- Equipped with Intelligent Voltage Reading (IVR) function to indicate the end of life for plasma consumables and Part In Place (PIP) function to warn if plasma consumables are not correctly mounted on the torch
- Built-in Total Protection (TP) function to protect machine against phase loss from incoming input power supply
- Self-regulation of input supply enables cutting to occur far from the distribution panel, with extension cable of 50m from a 400V 3ph input
- 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 use
- Superior reliability in tough maritime environment
- 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
- Spare part kit available for easy repair and to minimise downtime

Specification

General		Dimensions/Weight	
Invent Hazard Material (IMO/EU) classification	NA	Dimensions L x W x H [mm]	620 x 225 x 360
		Weight [kg]	25

Technical data

Air flow [l/min]	150
Air pressure [bar]	5.0 - 5.5
Duty cycle [%]	35%
Ingress protection	IP23S
Temperature class	H
Voltage [V]	3 phase 380-440V 50/60Hz main supply

Documents

[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
- 404204
TORCH SL60 WITH 6M CABLE F/UPC-NEO NG

Spares

- 404208
TOTAL REPAIR KIT F/UPC-NEO NG

Consumables

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

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

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

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

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

404173
SHIELD CUP BODY MAX LIFE FOR UPC-85ML

404169
SHIELD CUP 80-100A FOR UPC-85ML

404161
SHIELD CUP GOUGING FOR UPC-85ML

404202
CONSUMABLES KIT F/UPC-NEO NG

404201
TIP STAND OFF CUTTING F/UPC-NEO NG, SET OF 5 PCS

404203
TIP GOUGING F/UPC-NEO NG, SET OF 5 PCS

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