NEOPULSE 400 CW

10 → 400 A

Ref. 062061



The NEOPULSE 400 CW is a three-phase, pulsed, MIG/MAG generator developed for heavy industry. The NEOPULSE 400 CW is mobile and equipped with a cooling unit and a powerful reeling system, making it ideal for handling demanding pulsed applications. Both intuitive and highly practical, its digital interface makes adjusting the welding settings very easy.

MULTIPROCED WELDING

- MIG/MAG:
- steel and stainless-steel wire: Ø 0.6 to 1.6 mm
- aluminium wire: Ø 0.8 to 1.6 mm
- CuSi and CuAl wire: Ø 0.8 to 1.6 mm
- flux-cored wire: Ø 0.9 to 2.4 mm
- MMA DC / Pulsed: basic, rutile and cellulosic electrodes (up to Ø 6 mm).
- TIG DC LIFT / PULSED.
- **Gouging** (up to Ø 6.5 mm)

SMART

SYNERGIC mode: After entering two data (material/gas torque or wire diameter), the NEOPULSE automatically determines the optimal welding conditions and automatically adjusts the settings (wire feed speed, voltage, current and arc length).

ACCURATE

- **Calibration** of welding accessories and motor reel speed, to adjust the displayed voltage measurement and improve energy data.
- Energy, data display and post-welding energy data is available according to standards EN1011-1, ISO/ TR 18491 and QW-409.
- **Portability:** download/backup/transfer user JOBS and machine configuration information from a USB stick.
- **Tracking:** trace/record all welding stages, bead by bead, during industrial processing within the framework of standard EN ISO 3834.



Supplied without accessories

OPTIMIZED MIG/MAG SETTINGS

6 MIG-MAG welding modes: Standard Dynamic, Standard Impact, Standard Root, Pulsed, Modularc and Manual. *To learn more about GYS pre-installed user settings, scan the QR code or click here.*

MAXIMUM PRODUCTIVITY

- 4 microprocessors increase calculation speeds and optimise the machine's efficiency.
- High productivity thanks to its high duty cycle (400 A @ 60%).
- Compatible wire spools: Ø 200 / 300 mm.
- Can be connected to a robot/PLC through a SAM control interface (optional).
- Dip coating of the entire power block for increased resistance.
- Powerful, electronically-controlled motor reel (100 W) with 4 driven rollers.
- High arc voltage for easy ignition and outstanding arc dynamics.

ERGONOMIC

- New, simplified interface focused on welders' browsing habits.
- Full machine updates and pre-installed user setting updates by USB key.
- Up to 500 welding programmes saved on the machine (can also be saved on USB stick).
- Current/voltage display during and after welding (DMOS/QMOS).
- User mode facilitates the shared use of the product with multiple users.
- A selection of main settings can be displayed on the screen (wire speed, average welding current, etc.).
- Smart ventilation management to reduce power consumption, dust extraction and machine noise.
- Compatible Push-Pull torch (24 V / 42 V).

ROBUST AND MOBILE

- Durable and strong: IP23 protection level for use in harsh environments, both indoor and outdoor.
- Remote control of the power source with two optional remote controls (digital or analogue).

GYS synergies



Three interface levels for the user:

- Easy: simplified features
- Expert: full display
- Advanced: full access to all settings.

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TECHNICAL DATA

Supply voltage		3 x 400 V +/- 15%	
Mains protection (delayed)		32 A	
Duty cycle 10 min/40°C EN 60974-1	60 %	400 A	
	100 %	360 A	
Current range MIG-MAG / MMA / TIG		10 - 400 A	
No-load voltage		85 V	
Voltage under load	MIG-MAG	14.5 - 34 V	
	MMA	20.4 - 36 V	
	TIG	10.4 - 26 V	
Max. output	%	91 %	
No-load power consumption	MIG-MAG TIG	37 W	
	MMA	157 W	

Wire speed		1 - 22 m/min	
Wirefeed motor		4 motorised rollers	
Original rollers		Ø 1.0/1.2 mm (steel)	
Roller diameter		37 mm (Type F)	
Filler wire ø	ø steel	0.6 - 1.6 mm	
	ø stainless steel	0.6 - 1.6 mm	
	ø flux-cored wire	0.9 - 2.4 mm	
	ø aluminium	0.8 - 1.6 mm	
	ø CuSi / CuAl	0.8 - 1.6 mm	
140	weight / ø min.	5 kg - 200 mm	
Wire reel	weight / ø max.	18 kg - 300 mm	
Cooling capacity		1 kW	
Protection rating		IP23	
Dimensions		960 x 510 x 850 mm	
Weight		78 kg	

ACCESSORIES AND CONSUMABLES



Steel / Stainless steel		Aluminium	
air	liquid	liquid	
450 A 4 m	500 A 4 m	500 A 3 m	
045392	041004	046160	



Earth cable 400 A - 4 m / 50 mm² 047853



Electrode holder 500 A - 4 m / 50 mm² 043879



Cooling liquid 5 I - 062511 10 I - 052246



Filter kit 063143



Remote control

digital RC-HD2

062122



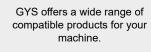
Support RC-HD2 for trolley 037779



RC-HD2 connection cable 2.8 m - 063907 6 m - 063914 11 m - 036925



Analogue remote control RC-HA2 - 10 m 047679



To learn more about them, scan the QR code:



Push-Pull torch - 8 m

038738	0.8 > 1.2 mm	air
038141	0.8 > 1.2 mm	liquid
038745	0.8 > 1.6 mm	liquid

Manual welding

Automation