

Digital technology, the NEOPULSE 400 G is a pulsed MIG/MAG welding power source with a separate wire feeder. Ultra high performance and designed for the highest performance level using the latest technology, it features +100 synergic curves and exceptional arc quality/performances. Intuitive and highly functional, its digital interface allows you to change welding parameters with ease. Equipped with its NEOFEED-4W reel (optional), this welding power source provides productivity and quality of unmatched welding on all types of alloys.

MULTI-PROCESS 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 1.2 mm
- **MMA DC / Pulse :** basic, rutile and cellulosic electrodes (up to Ø 6 mm)
- **TIG DC Lift / Pulse.**
- **Gouging** (up to Ø 6.5 mm)

SMART

- **SYNERGIC mode :** Select the material/gas type and wire diameter, now the NEOPULSE automatically determines the optimal welding conditions and allows you to adjust the settings (wire feed speed, voltage, current, arc length).

ACCURATE

- **Calibration** of welding accessories, to adjust the displayed voltage measurement and the energy calculation.
- **Energy,** display and energy calculation after welding according to EN1011-1, ISO / TR 18491 and QW-409.
- **Portability :** load / save as, JOBS from a USB key as well as the machine configuration.
- **Traceability :** trace / record all welding steps, weld by weld, during industrial manufacturing according to EN ISO 3834.

OPTIMISED 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, click [here](#).*
- **TACK modes :** SPOT and DELAY.
- **Trigger management :** 2T and 4T.
- **Precise control over the welding cycle :** CreepSpeed, Softstart, Hotstart, Upslope, Downslope, Crater Filler, Postgas, etc.

MAXIMUM PRODUCTIVITY

- Intended for heavy and demanding industrial applications:**
- **4 microprocessors** increase the speed of communication and optimize the efficiency of the product.
 - **High productivity** thanks to its high duty cycle (400A @ 60%).
 - **Connectable via a SAM control interface** for use on robot/automaton (optional).
 - **Higher resistance and robustness** of the electronics.
 - **Powerful electronically controlled wire feed motor** (100 W) with 4 active drive rolls.
 - **High arc voltage** for easier ignition and exceptional arc dynamic.

ADVANCED INTUITIVITY

- **New user friendly interface** focused on welders' navigation habits.
- Complete update of the machine and synergies by USB key.
- Cooling unit (ref. 032750) and trolley (ref. 037328) optional.
- Storage of 500 welding programs (can be saved on USB stick).
- **Displays current/voltage** during and after welding (WPS/PQR).
- Choice of the main parameter to display on the screen (wire speed, average welding current, etc.).
- **Internal lighting** of the motorized roll and wire reel.
- **Viewing window** on trapdoor to check the consumption of the filler wire.
- **Intelligent ventilation management** to reduce power consumption, dust extraction and substation noise.

ROBUST AND MOBILE

- Reinforced metal case & non slip rubber pads.
- IP 23 protection rate.
- Interconnection cables (air or water cooled) up to 20m (optional).
- Remote settings of the wire feeder using the 2 optional remote controls (digital or analog).
- 4 rings/brackets for lifting/positioning.



Supplied without accessories



Complete packs

Steel / Stainless steel	Aluminium
062894	062900

NEOPULSE 400 G

Ref. 014497















TECHNICAL DATA

		NEOPULSE 400 G
Power supply voltage		3 x 400 V +/- 15%
Mains protection (delayed)		32 A
Duty cycle factor 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
Charging voltage	MIG-MAG	14.5 - 34 V
	MMA	20.4 - 36 V
	TIG	10.4 - 26 V
Max. efficiency	%	91 %
No-load consumption	MIG-MAG TIG	37 W
	MMA	157 W
Protection class		IP23
Dimensions		680 x 300 x 420 mm
Weight		28.5 kg

		NEOFEED 4W
Power supply voltage		U ₁₁ = 48V - 2A
		U ₁₂ = 24V - 1A
Duty cycle factor 10 min/40°C EN 60974-1	60 %	500 A
	100 %	460 A
Wire speed		1 - 22 m/min
Wire feeder motor		4 motor reels
Roller diameter		37 mm (Type F)
Wires	∅ Steel	0.6 - 1.6 mm
	∅ Stainless steel	
	∅ Coated wire	0.9 - 2.4 mm
	∅ Aluminium	0.8 - 1.6 mm
	∅ CuSi / CuAl	0.8 - 1.2 mm
Wire reels	weight / min. ∅	5 kg - 200 mm
	weight / max. ∅	18 kg - 300 mm
Protection class		IP23
Dimensions		630 x 440 x 290 mm
Weight		19 kg

ACCESSORIES & CONSUMABLES

 <p>NEOFEED 4W wire feeder 014527</p>	 <p>Cooling unit NEOCOOL 032750</p>	 <p>Trolley T/M 400 037328</p>	 <p>Interconnection cables</p> <table border="1"> <thead> <tr> <th colspan="2">air</th> <th colspan="2">liquid</th> </tr> </thead> <tbody> <tr> <td>5 m</td> <td>70 mm²</td> <td>047587</td> <td>1.8 m</td> <td>037243</td> </tr> <tr> <td>10 m</td> <td></td> <td>047594</td> <td>5 m</td> <td>047617</td> </tr> <tr> <td>10 m</td> <td></td> <td>047600</td> <td>10 m</td> <td>047624</td> </tr> <tr> <td>10 m</td> <td></td> <td>047600</td> <td>10 m</td> <td>047631</td> </tr> <tr> <td>15 m</td> <td>95 mm²</td> <td>038349</td> <td>15 m</td> <td>95 mm²</td> <td>038448</td> </tr> <tr> <td>20 m</td> <td></td> <td>038431</td> <td>20 m</td> <td></td> <td>038455</td> </tr> </tbody> </table>		air		liquid		5 m	70 mm ²	047587	1.8 m	037243	10 m		047594	5 m	047617	10 m		047600	10 m	047624	10 m		047600	10 m	047631	15 m	95 mm ²	038349	15 m	95 mm ²	038448	20 m		038431	20 m		038455
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 <p>Remote control digital RC-HD2 062122</p>	 <p>Support RC-HD2 for trolley 037779</p>	 <p>Remote control analog RC-HA2 - 10 m 047679</p>	<p>GYS offers a wide range of compatible products for your machine.</p> <p>To learn more about them, scan the QR code:</p> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div data-bbox="979 2168 1203 2195">Manual welding</div> <div data-bbox="1203 2168 1426 2195">Automation</div> </div>																																					