

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



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	

NEOFEEED 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	Ø Steel	0.6 - 1.6 mm
	Ø Stainless steel	0.6 - 1.6 mm
	Ø Coated wire	0.9 - 2.4 mm
	Ø Aluminium	0.8 - 1.6 mm
	Ø CuSi / CuAl	0.8 - 1.2 mm
Wire reels	weight / min. Ø	5 kg - 200 mm
	weight / max. Ø	18 kg - 300 mm
Protection class	IP23	
Dimensions	630 x 440 x 290 mm	
Weight	19 kg	

ACCESSORIES & CONSUMABLES

			 Interconnection cables <table><tr><th colspan="2">air</th><th colspan="2">liquid</th></tr><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>70 mm²</td><td>047617</td></tr><tr><td>10 m</td><td></td><td>047600</td><td>10 m</td><td></td><td>047624</td></tr><tr><td>15 m</td><td>95 mm²</td><td>038349</td><td>10 m</td><td></td><td>047631</td></tr><tr><td>20 m</td><td></td><td>038431</td><td>15 m</td><td>95 mm²</td><td>038448</td></tr><tr><td></td><td></td><td></td><td>20 m</td><td></td><td>038455</td></tr></table>		air		liquid		5 m	70 mm²	047587	1.8 m	037243	10 m		047594	5 m	70 mm²	047617	10 m		047600	10 m		047624	15 m	95 mm²	038349	10 m		047631	20 m		038431	15 m	95 mm²	038448				20 m		038455
air		liquid																																									
5 m	70 mm²	047587	1.8 m	037243																																							
10 m		047594	5 m	70 mm²	047617																																						
10 m		047600	10 m		047624																																						
15 m	95 mm²	038349	10 m		047631																																						
20 m		038431	15 m	95 mm²	038448																																						
			20 m		038455																																						
NEOFEEED 4W wire feeder 014527	Cooling unit NEOCOOL 032750	Trolley 10m³ L 077522																																									

						
Steel / Stainless steel			Earth cable	Electrode holder	Cooling liquid	Filter kit
air liquid liquid			600 A - 4 m / 70 mm²	600 A - 5 m / 70 mm²	5 l - 062511	063143
450 A 500 A 500 A			043831	047006	10 l - 052246	
4 m 4 m 3 m						
087613 081147 081154						

			GYS offers a wide range of compatible products for your machine.	
Remote control digital RC-HD2 062122	Support RC-HD2 for trolley 037779	Remote control analog RC-HA2 - 10 m 047679	To learn more about them, scan the QR code:	
				
			Manual welding	Automation