

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.**

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

- **Welding processes :** Manual, Dynamic STD, Pulsed, Modul Arc (variation of hot / cold current)
- **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	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 rowspan="3">70 mm²</td><td>1.8 m</td><td>037243</td></tr><tr><td>10 m</td><td>5 m</td><td>047617</td></tr><tr><td>10 m</td><td>10 m</td><td>047624</td></tr><tr><td>10 m</td><td></td><td>10 m</td><td>047631</td></tr><tr><td>15 m</td><td rowspan="2">95 mm²</td><td>15 m</td><td>038448</td></tr><tr><td>20 m</td><td>20 m</td><td>038455</td></tr></table>	air		liquid		5 m	70 mm²	1.8 m	037243	10 m	5 m	047617	10 m	10 m	047624	10 m		10 m	047631	15 m	95 mm²	15 m	038448	20 m	20 m	038455
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 <table><tr><th colspan="2">Steel / Stainless steel</th><th>Aluminium</th></tr><tr><td>air</td><td>liquid</td><td>liquid</td></tr><tr><td>450 A</td><td>500 A</td><td>500 A</td></tr><tr><td>3 m</td><td>4 m</td><td>3 m</td></tr><tr><td>045392</td><td>041004</td><td>046160</td></tr></table>	Steel / Stainless steel		Aluminium	air	liquid	liquid	450 A	500 A	500 A	3 m	4 m	3 m	045392	041004	046160	 Earth cable 600 A - 4 m / 70 mm² 043831	 Electrode holder 600 A - 5 m / 70 mm² 047006	 Cooling liquid 5 l - 062511 10 l - 052246	 Filter kit 063143									
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 Remote control digital RC-HD2 062122	 Support RC-HD2 for trolley 037779	 Remote control analog RC-HA2 - 10 m 047679	 SAM robotic control interface 062993	 Mini USB keyboard AZERTY - 027725 QWERTY - 027770																								