



# NOVASPEEDPULS 400 E

## Innovation and productivity on MIG/MAG welding



- INVERTER technology
- Easy to use
- Standard synergic MIG/MAG - Pulse - Double Pulse
- Evo AT
- Evo PT
- Evo UT optional
- Improved productivity
- Minimized deformations
- Improved penetration
- Continuous inductance adjustment
- Digital V/A instrument as standard
- Cooling system as standard

### Applications

Carpentry  
Yards  
Constructions  
Petro-chemical industry  
Rail industry  
Military industry  
Food industry  
Automotive industry  
Earth moving industry  
Sheet-metal works

The **NOVASPEEDPULS** series represent the ideal solution to greatly improve welding productivity and quality in all the applications requiring high performances in the welding process. Easy to use, reliability and innovation (EVO AT, Evo PT and EVO UT) have been fully integrated with the well proven inverter technology, with the purpose of always guarantee maximum level performances.

The CAN-BUS digital communication between the various components of the machine contributes to improve reliability and fast response of the whole system. Specific software it's also available for direct connection with a power source, in order to introduce updates and customized synergic lines. NOVASPEEDPULS power sources are available in both the compact and separate wire feeder versions, and allow to operate with the following processes:

Coated electrode (MMA), Arc-air gouging, TIG lift Arc (optional kit), MIG/MAG standard synergic, MIG/MAG pulsed synergic, MIG/MAG double-pulsed synergic, Evo AT, Evo PT and Evo UT Both versions are supplied with a high efficiency cooling unit, equipped with separate ventilation system and improved tank capacity.

### Evo AT

#### Evolution Arc Technology

Consists in an exceptional innovation, able to improve both welding speed and penetration, by acting on the whole regulations range (ShortArc – SprayArc), also reducing deformation problems. Arc concentration and control reduce the creation of welding spatter and help in the execution of welds requiring high values of wire stick-out.

### Evo PT

#### Evolution Pulse Technology

Represents the most advanced border in the evolution of the pulsed technique. From the classic drop, close to any single pulse, to the continuous and controlled transfer of welding wire inside the welding pool. Substantial improvement in terms of welding speed, penetration and quality, compared with the classic pulsed MIG/MAG process.

### Evo UT

#### Evolution Up Technology

Amazing improvement on the vertical up welding technique. From the typical and difficult triangle movements, carry out just from skilled welders, to the extreme simplification on straight line welding suitable for semi-skilled welder, giving also more welding speed, excellent root penetration and less welding problems.



**SincoSald**

## Accessories

Earth cable 70 mmq 4 Mt.	3.610.125
MIG/MAG torch WS.35 Mt.3 - H2O	2.550.003
MIG/MAG torch WS.35 Mt.4 - H2O	2.550.004
MIG/MAG torch WS.50 Mt.3 - H2O	2.560.003
MIG/MAG torch WS.50 Mt.4 - H2O	2.560.004
MIG/MAG torch WS.50 Mt.5 - H2O	2.560.005
POWER MASTER torch 5300 Mt.3	2.600.001
POWER MASTER torch 5300 Mt.4	2.600.002
POWER MASTER torch 5300 Mt.5	2.600.003
POWER MASTER torch 5800 Mt.3	2.600.004
POWER MASTER torch 5800 Mt.4	2.600.005
POWER MASTER torch 5800 Mt.5	2.600.006
WS.53 POWER MASTER torch Mt.3	2.600.011
WS.53 POWER MASTER torch Mt.4	2.600.012
WS.53 POWER MASTER torch Mt.5	2.600.013
Valvoplan ARGON gas pressure reducer	5.785.105
Valvoplan CO2 gas pressure reducer	5.785.106
<b>Optional</b>	
Interactive controller HR 911 Mt.5	X.050.023
Remote control UP/DOWN Mt.5	X.050.024
Remote control connector	1.990.150
PUSH-PULL torch connector	1.100.017
TIG Lift-Arc welding kit	X.007.006

## Technical Data

## NOVASPEEDPULS 400 E

Power supply, three-phase	400V - 50/60 Hz
Fuse, slow	32 A
Current input max	28,1 A
Noise level	< 70 dB
Power at maximum current	19.4 KVA
Performance, 100% duty cycle	320A
Performance, 60% duty cycle	350A
Performance, 50% duty cycle	400A
Open circuit voltage	81V
Power factor	0,99
Welding current/voltage range	25-400 A/15.2 - 30 V
Conform to standards	EN 60974 - 1 - 5 - 10
Application class	S
<b>Wire diameters</b>	
Steel	0.6 - 1.2 mm
Stainless steel	0.6 - 1.2 mm
Aluminium	1.0 - 1.2 mm
Weldable electrodes diameters	1.0 - 8.0 mm
Wire feed speed	0.1 - 25 Mt/min
Wire spool capacity	15 Kg
Dimensions, mm (LxWxH)	1015 x 430 x 960
Weight, kg	108
Insulation class	F
Protection class (EN 60529)	IP23 S
Cooling type	F
Operating temperature	-10 a +40°C

## Ordering codes

Novaspeedpuls 400 E	M.001.133
Cooling unit	K.004.009
Wire feeder 4R NSP	A.002.121
Extension cable 70 mmq Mt.5	3.017.101
Extension cable 70 mmq Mt.10	3.017.104



# Sincosald