



OPTIPULS 500i

FOR WATER-COOLED FLUX-CORED, STAINLESS STEEL AND ALUMINIUM PULSE WELDING

Product Features

A powerful pulsed welder where heavy duty applications and duty cycles are required. Welding performance and operation is not altered from the smaller family units, only improved.

Able to handle the most difficult, smooth and pulsed current applications while running up to 2.4mm wires. Ideal for large and demanding fabrication, as well as general work.



- 1 The wire feed unit stows easily on top of the power supply.
- 2 Wear parts can be easily put away in the side drawer.
- 3 The cables wind onto their support.



- 4 Simple connectors are perfectly protected at the rear of the power supply.



Technical characteristics	Optipuls 500i
Primary input	
Input voltage	400V - 50/60 Hz three-phase
Max. input current	44A @ 400V
Output	
O.C.V	57V
Voltage setting	continuous
Welding current range	10A - 500A
Duty cycle	100% @ 400A
(10 min cycle @ 40°C)	60% @ 450A
Wires	
Steel/Stainless Steel	0.8 - 1.6mm
Aluminium	1.0 - 1.6mm
Flux-cored	1.0 - 2.4mm
Wire feeder	
	DV41iW
Number of rollers	4
Wire feed rate	0 - 20 m/min
Trigger command	2T / 4T
Mode	
	Synergic or Manual
	Adjustment by set-up of the cycle parameters
	Flux-cored wire selection
Protection index	IP 23
Standard	EN 60974-1
Dimensional characteristics	
Dimensions (L x W x H)	1090 x 610 x 970mm
Net weight	107kg (with cooling unit)



Remote control BB-BOX

Remote control of wire feed speed and arc length (voltage)



Optibox 100

Remote control allowing storage at 97 programs, wire speed and voltage. Possibility of locking or limiting the adjustment range

To order: Optipuls 500i W (water cooled) package	Part Number
Power source with 5m primary lead, wire feeder with 10m covered inter-connecting cables, 4m (13') Ergoplus 500 MIG gun & regulator / flowmeter (25 Lpm)	91601422P
Remote control BB-BOX	W000305112
Optibox 100	91601068

12 Months Warranty





The OPTIPULS front panel

Pre-setting and display of

- Wire feed rate
- Thickness
- Current

Indicator

showing most recent parameters retained.

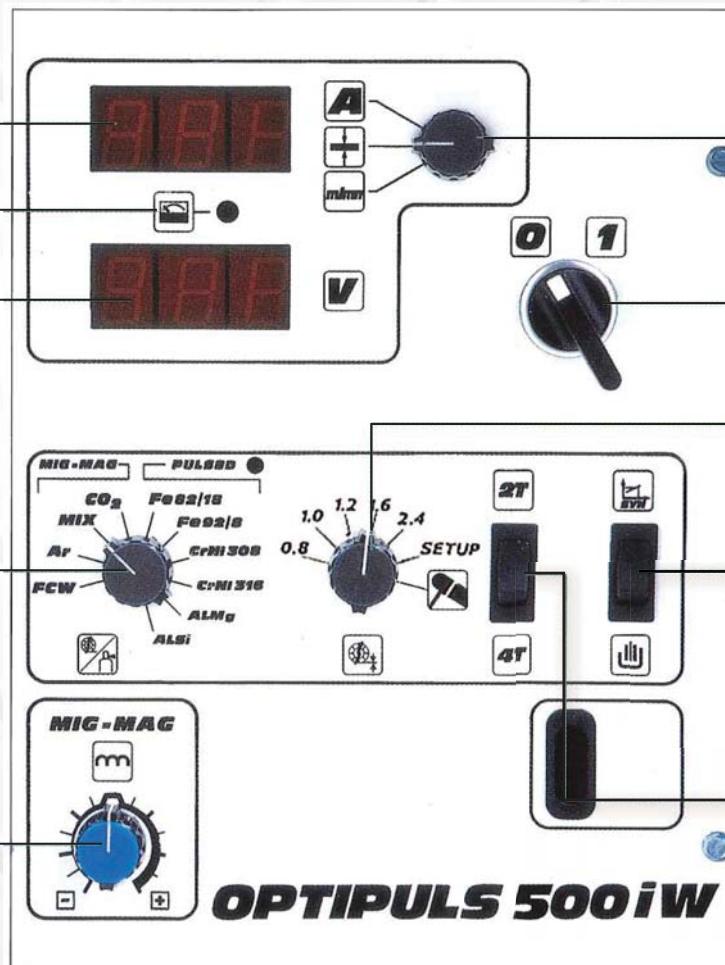
Pre-setting and display of voltage

Selector

- Smooth current
- Pulsed current
- Wire/gas combination

Choke adjustment

smooth current.



Selector

- Current
- Thickness
- Wire speed feed.

On/off.

Selector

- Wire diameter
- Set up
- Coated electrode

Selector

- Synergic
- Manual

2-stage/4-stage cycle selector.

Ø mm	Entry Wire Guide	Roll dia.30	Middle Wire Guide	Exit Wire Guide	ALUKIT	
Steel / Stainless						
0.6	W000305150	W000305146	W000305138	W000305141		
0.8						W000305147
1.0		W000305148		W000305149		W000305143
1.2						W000305144
1.6						
Aluminium						
1.0	W000305162	W000305160	W000305171	W000305174	W000305157	
1.2	W000305170				W000305163	W000305172
1.6		W000305173	W000305176	W000305159		
2.4						
FCW						
1.0	W000305150	W000305151	W000305138	W000305143		
1.2						W000305152
1.6		W000305140				
2.0						
2.4						