

ARISTO® MIG 4004i PULSE



LOW WEIGHT MULTI-PROCESS INVERTER EQUIPMENT

- High Duty Cycle – suitable for long runs
- Wide mains input tolerance: 380 - 440 V +/- 10%
- Generator compatible – for on site use
- Pre-programmed synergic lines to ensure optimum settings with a wide choice of materials, wire dimensions and gas combinations.
- Memory for 10 (U6) or 255 (U8₂) welding schedules
- Customized synergic lines (U8₂)
- Creep start, gas pre-flow and hot start provide a soft and more direct start with less spatter
- Crater filling adjustable burn-back time and post gas
- Standby Function – energy saving system



WeldCloud™

For more information on WeldCloud™ see page 81



Technical data	Aristo® Mig 4004i Pulse
Mains supply, V/Hz	380-440, 3-50/60
Fuse, anti surge, A	20
Mains cable, Ø mm ²	4 x 4
Setting range, A	
MIG/MAG	16 - 400
MMA	16 - 400
TIG (LiveTIG)	4-400
Open circuit voltage, V	55
Open circuit voltage VRD, V	< 35
Idle power, W	40
Efficiency at max current, %	88
Power factor at max current	0.94
Dimensions L x W x H, mm	610 x 250 x 445
Weight, kg	44.5
Incl COOL 1 excl. coolant, Kg	58
Operating temperature, °C	-10 to +40
Enclosure class	IP 23
Application class	S
Insulation class	H
zCertification	CE

Maximum output (MIG/MAG) at 40°C

60% duty cycle, A/V	400 / 34
100% duty cycle, A/V	300 / 29



CONTROL PANEL MA25 PULSE

- Advanced Pulsed welding
- Steel and Aluminium panel options
- Synergic lines (Steel 54, Aluminium 30)
- QSet™
- Hot Start & adjustable burn-back time
- 3 memory slots
- Continuous choke setting
- Current slope up / slope down
- Gas pre-flow / post-flow
- 2/4 stroke
- Digital V/A-meter
- Optional digital remote control
- MMA functions ArcPlus™ II, Hot Start and Arc Force



CONTROL PANEL U6

- MIG/MAG pulse-type welding or professional MMA welding
- QSet™ Parameter automation
- Preprogrammed synergic lines
- 2 / 4 stroke torch switch actions
- End crater filling
- Creep start, Hot Start and wire burn-back time that can be set
- Gas pre- and post-flow can be set
- Gas test and tension-free wire feed
- 10 memory slots
- Limit value assignment, password protection

Complete Package

- Aristo® Mig 4004i Pulse + Aristo® Feed 3004w U6 + 4 wheels trolley + COOL 1 + PSF™ 410w - 4.5mt + connection cable 1.7mt **0479 000 002**
- Aristo® Mig 4004i Pulse + Aristo® Feed 3004w + Aristo® U8₂ Plus + COOL 1 + PSF™ 410w - 4.5mt + connection cable 1.7mt **0479 000 003** + 4 wheels trolley

Delivery includes

5m mains cable with CEE plug and 5m earth cable incl clamp.

Suggested configurations

Aristo® Mig 4004i Pulse with Aristo® Feed 3004 U6

Aristo® Mig 4004i Pulse	0465 152 883
Aristo® Feed 3004, U6	0460 526 886
Connection cable - m. 1,7	0459 528 780
PSF™ 405, L=3,0m, self-cooled	0458 401 882
4 wheels trolley	0462 151 880
Trolley bracket	0463 125 880
Autotransformer TUA1	0459 144 880

Aristo® Mig 4004i Pulse with Aristo® Feed 3004 U8₂ Plus

Aristo® Mig 4004i Pulse	0465 152 883
Aristo® Feed 3004	0460 526 881
Aristo® U8 ₂ Plus	0460 820 881
Connection cable - m. 1,7	0459 528 780
PSF™ 405, L=3,0m, self-cooled	0458 401 882
4 wheels trolley	0462 151 880
Trolley bracket	0463 125 880
Autotransformer TUA1	0459 144 880

CONTROL PANEL ARISTO U82

See page 76



ARISTO® MIG 3001i AND 4004i PULSE

Gas=self-cooled, W=water cooled

Aristo® Mig		3001i		4004i Pulse	
		Gas	W	Gas	W
Mig 3001i	0459 740 882	●			
Mig 3001iw	0459 740 883		●		
Mig 4004i Pulse	0465 152 883			●	●
COOL 1, water cooler	0462 300 880				●

Wire feeders for process controller MA25, U6, and U8 ₂	Aristo® Mig	3001i		4004i Pulse	
		Gas	W	Gas	W
Aristo® Feed 3004 MA25 Aluminium	0460 526 670	●		●	
Aristo® Feed 3004w MA25 Aluminium	0460 526 671		●		●
Aristo® Feed 3004 MA25 Steel	0460 526 672	●		●	
Aristo® Feed 3004w MA25 Steel	0460 526 673		●		●
Aristo® Feed 3004 U6	0460 526 886	●		●	
Aristo® Feed 3004w U6	0460 526 896		●		●
Aristo® YardFeed 2000 U6	0459 906 886	●		●	
Aristo® YardFeed 2000w U6	0459 906 896		●		●
Aristo® Feed 4804w	0460 526 996		●		●
Aristo® U8 ₂	0460 820 880	●	●	●	●
Aristo® U8 ₂ Plus	0460 820 881	●	●	●	●
Aristo® Feed 3004 **	0460 526 881	●		●	
Aristo® Feed 3004w **	0460 526 891		●		●
Aristo® Feed 4804w	0460 526 891		●		●

**With SuperPulse™ function

Connection cables Feed 3004/4804	Aristo® Mig	3001i		4004i Pulse	
		Gas	W	Gas	W
Connection cable - mt. 1,7	0459 528 780	●		●	
Connection cable - mt. 5	0459 528 781	●		●	
Connection cable - mt. 10	0459 528 782	●		●	
Connection cable - mt. 15	0459 528 783	●		●	
Connection cable - mt. 25	0459 528 784	●		●	
Connection cable - mt. 35	0459 528 785	●		●	
Connection cable - mt. 1,7	0459 528 790		●		●
Connection cable - mt. 5	0459 528 791		●		●
Connection cable - mt. 10	0459 528 792		●		●
Connection cable - mt. 15	0459 528 793		●		●
Connection cable - mt. 25	0459 528 794		●		●
Connection cable - mt. 35	0459 528 795		●		●

Connection cables YardFeed 2000	Aristo® Mig	3001i		4004i Pulse	
		Gas	W	Gas	W
Connection cable - mt. 10	0459 528 562	●		●	
Connection cable - mt. 15	0459 528 563	●		●	
Connection cable - mt. 25	0459 528 564	●		●	
Connection cable - mt. 35	0459 528 565	●		●	
Connection cable - mt. 50	0459 528 566	●		●	
Connection cable - mt. 10	0459 528 572		●		●
Connection cable - mt. 15	0459 528 573		●		●
Connection cable - mt. 25	0459 528 574		●		●
Connection cable - mt. 35	0459 528 575		●		●
Connection cable - mt. 50	0459 528 576		●		●

Aristo® Mig	3001i		4004i Pulse	
	Gas	W	Gas	W
Accessories				
4 wheels trolley compatible with counterbalance *	0460 565 880	● ●	● ●	
4 wheels trolley not compatible with counterbalance ⓐⓑ	0462 151 880		● ●	
2 wheels trolley **	0460 564 880	● ●	● ●	
Water flow guard for CoolMidi 1000	0456 855 881			● ●
7.5 m control cable extension for Aristo U82	0460 877 891	● ●	● ●	
Strain relief for welding torch	0457 341 881	● ●	● ●	
Lifting eye for wire feeder	0458 706 880	● ●	● ●	
Wheels kit for wire feeder	0458 707 880	● ●	● ●	
Adapter for 5kg spool	0455 410 001	● ●	● ●	
Connection kit for mechanization with Miggytrac-Railtrac	0459 681 880	● ●	● ●	
Connection kit for electric PP torches, start/stop function	0459 020 883	● ●	● ●	
Connection kit for electric PP torches, wire feed speed control	0459 681 881	● ●	● ●	
Autotransformer TUA1	0459 144 880	● ●	● ●	
Mounting accessories				
Counterbalance device	0458 705 880	● ●	● ●	
Bracket kit to assembly to the trolleys 0460 564/565 880	0461 310 880		● ●	
Stabilizer (for counterbalance device)	0460 946 880	● ●	● ●	
Rack mounting brackets	0460 911 880	● ●		
Push-Pull torches MXH™ see page 59				
* for counterbalance device solution for Aristo® Mig 4004i Pulse				
**for 2 wheels trolley application for Aristo® Mig 4004i Pulse				

Welding torches	Aristo® Mig	3001i		4004i Pulse	
		Gas	W	Gas	W
PSF™305, L=3,0m	0458 401 880	●			
PSF™305, L=4,5m	0458 401 881	●			
PSF™ 405, L=3,0m, self-cooled	0458 401 882			●	
PSF™ 405, L=4,5m, self-cooled	0458 401 883			●	
PSF™ 410w, L=3,0m, water cooled	0458 400 882		●		●
PSF™ 410w, L=4,5m, water cooled ⓐⓑ	0458 400 883		●		●