

Optimum Welding Solutions

- *Reliable and smooth starts and ends supported by efficient Hot Start and crater fill functions*
- *Efficient Man Machine Communication by the user-friendly control panels MA6 or U8 Pendant*
- *Wide range of pre-programmed synergic lines.*
- *U8 Pendant provides the facility to define and store customized synergic lines for any material or gas combinations*
- *Memory for 10 (MA6) or 256 (U8 Pendant) welding parameters*
- *Dust filter to handle tough and dirty environment and avoid grinding-dust and metal particles inside the chassis*
- *Aristo SuperPulse™, the welding process with the ability to control the heat input (U8 Pendant only).*

Robust and powerful

Aristo Mig 5000i is ideal when it comes to efficient production or prefabrication of high alloyed materials with a very high demand on the welding performance.

The power sources are compact and sturdy pieces of equipment with a chassis made of extruded aluminum sections: Alutech™. This is a robust material that withstands rough treatment.

The power sources are based on inverter IGBT technology that provides reliable equipment with outstanding welding characteristics.

The communications and control CAN-bus system means less cables, which in turn increases operational reliability.

Flexibility

The power sources are optimized to operate together with the wire feeders Aristo Feed 3004 and Aristo Feed 4804. Connection cables up to 115 ft. (35m) provides a working radius of up to 115 ft. (35m) to suit all your individual welding needs.

Aristo Mig 5000i allows the choice of the following processes; MIG/MAG, pulse MIG, MMA and Carbon Arc Gouging. The choice of processes is related to the different control panels (see related AristoFeed 3004 and 4804 sales sheets).



The TrueArcVoltage System guarantees that you weld with the correct arc voltage independent of any voltage drop in the welding cables. This means that you will get the same arc voltage and weld result either you have a set-up with short connection cable and 10 ft. (3m) gun or a set-up with 115 ft. (35m) working radius.

Aristo U8 Pendant for advanced applications

U8 Pendant supports quick access to synergic settings. More than 100 pre-programmed synergic lines are available. Welding based on pre-programmed synergic data reduce the preparation before start to a minimum.

The memory provides additional functionality and the capacity to store up to 256 welding parameters which can be recalled when ever needed. A number of soft buttons with flexible functions provides direct access to Hot Start, crater fill, 2/4-stroke etc.



Specifications

Mains Voltage	3x460, 60
Setting range, MIG/MAG, A.....	16-500/8-60
Setting range, MMA, A.....	16-500
Permitted load	
at 60% duty cycle, A/V	500/39
at 100% duty cycle, A/V	400/34
Open circuit voltage, V.....	68-88
Energy save mode (400V), W.....	50
Input power, kW	23
Apparant power, kVA	28
Power factor at maximum current.....	0.85
Efficiency at maximum current, %	86
Control voltage, V, Hz	42, 50/60
Dimensions L x W x H...25 in. x 16 in. x 20 in. (625 x 394 x496mm)	
Dimensions L x W x H (multi-voltage unit)	
..... 25 in. x 16 in. x 31 in. (625 x 394x 776mm)	
Enclosure class.....	IP 23
Operating temperature, °C	-10 to +40
Insulation class (main trafo.).....	H
Weight	145.5lbs. (66kg)
Application class	S
Standards.....	IEC/EN 60974-1, EN 50199

Water cooling unit:

Cooling capacity, W, l/min	2500 at 40°C, .4 (1.5)
Coolant volume, l.....	1.4 (5.5)
Max flow, l/min5 (2.0)
Max pressure, bar	50 (3.4)
Weight	44.1 lbs (20kg)

Multi Voltage unit:

Main voltage, V, Hz	3x208/230/400/460/475/575, 50/60
Weight	176.4 lbs. (80kg)
Dimension L x W x H... 25 in. x 16 in. x 11 in. (621 x 389 x 266mm)	

Ordering Information

Aristo Mig 5000i (3x460Vac 60Hz) 0459230884
Delivery content: 16.4 ft. (5m) mains cable and termination resistor plug.

Options & Accessories

Multi Voltage unit, Wide body (3x208/230/
 400/460/475/575V, 50/60 Hz) 0459145880

Remote Controls

See pages 56-57 (ARC-23194) for a complete list of remote controls and remote control cables.

Handle includes mounting screws for separate

installation. (Complete set = 2)..... 0459307881

Trolley 1 (Standard)0458530880

Trolley 2 (Feeder with counter balance device)0458603880

Guide pin (If no trolley) 0458731880

Quick connector kit for current, water and
 shielding gas supply for 2x AristoFeed0459546880

MMC kit for MMC panel mounted in the

power source.....0459579880

MMC - MA60458535886

Connection cables, air cooled torches

Air 5.6 ft. (1.7m)..... 0456528880

Air 16.4 ft. (5.0m) 0456528890

Air 32.8 ft. (10.0m) 0456528881

Air 49.2 ft. (15.0m) 0456528882

Air 82.0 ft. (25.0m) 0456528883

Air 115 ft. (35.0m)..... 0456528884

Connection cables, water cooled torches

Water 5.6 ft. (1.7m)..... 0456528885

Water 16.4 ft. (5.0m) 0456528895

Water 32.8 ft. (10.0m) 0456528886

Water 49.2 ft. (15.0m) 0456528887

Water 82.0 ft. (25.0m) 0456528888

Water 115 ft. (35.0m) 0456528889

ESAT service kit..... 0458847880

** Only in combination with the remote control adapter.*

Additional Remote controls are available - see section Remote Controls pages 4-58 and 4-59.

Optimum Welding Solutions

- Multiprocess equipment; MIG/MAG, pulse MIG, MMA, TIG, Pulse TIG and Carbon Arc Gouging.
- Reliable and smooth starts and ends supported by efficient Hot Start and crater fill functions
- Efficient Man Machine Communication by the user-friendly control panel U6 or U8 Pendant
- Wide range of pre-programmed synergic lines. U8 Pendant provides the facility to define and store customized synergic lines for any material or gas combinations
- Memory for 10 (U6) or 256 (U8 Pendant) welding parameters
- TrueArcVoltage System, measures the correct arc voltage value independent of the length of the connection cable, return cable or welding gun.
- Dust filter to handle tough and dirty environment and avoid grinding-dust and metal particles inside the chassis
- Aristo SuperPulse™, the welding process with the ability to control the heat input (U8 Pendant).



Robust and powerful

Aristo Mig U4000i and Mig U5000i are ideal partners when it comes to efficient production or prefabrication of high alloyed materials with a very high demand on the welding performance.

The power sources are compact and sturdy pieces of equipment with a chassis made of extruded aluminum sections: Alutech™. This is a robust material that withstands rough treatment.

The power sources are based on inverter IGBT technology that provides reliable equipment with outstanding welding characteristics. The control and communication CAN-bus system means less cables, which in turn increases operational reliability.

Flexibility

The power sources are optimized to operate together with the wire feeders Aristo Feed 3004 and Feed 4804. Connection cables up to 115 ft. (35 m) provides a working radius of up to 115 ft. (35 m) to suit all your individual welding needs.

The TrueArcVoltage System guarantees that you weld with the correct arc voltage independent of any voltage drop in the welding cables. This means that you will get the same arc voltage and weld result whether you have a set-up with short connection cable and 3 m gun or a set-up with 35 meters working radius.

Aristo U8 Pendant for advanced applications

U8 Pendant supports a quick access to synergic setting. More than 100 pre-programmed synergic lines are available. Welding based on pre-programmed synergic data reduces the preparation before start to a minimum.

The memory provides additional functionalities. The capacity to store up to 256 welding parameters which can be recalled when ever needed. A number of soft buttons with flexible functions provides direct access to Hot Start, crater fill, 2/4-stroke etc.



Specifications

Mains Voltage, Vac, Hz.....	3 x 460, 60
Fuse slow, A.....	35
Setting range, MIG/MAG, A/V	16-500/8-60
Setting range, MMA DC, A.....	16-500
Setting range, TIG DC, A.....	4-500
Permitted load	
60% duty cycle, A/V	500/39
100% duty cycle, A/V	400/34
Open circuit voltage, V.....	68-88
Energy save mode, W.....	50
Input power, kW	23
Power factor at maximum current.....	0.85
Efficiency at maximum current, %	86
Control voltage, V, Hz	42, 50/60
Dimensions L x W x H... 25 in. x 16 in. x 20 in. (625 x 394 x 496mm)	
Dimensions L x W x H (with cooling unit)	
..... 25 in. x 16 in. x 31 in. (625 x 394 x 776mm)	
Enclosure class.....	IP 23
Insulation class (main trafo.).....	H
Operating temperature, °C	-10 till +40
Weight	152 lbs. (69kg)
Application class.....	S
Standards.....	IEC/EN 60974-1, EN 50199

Water cooling unit (water cooled version only):

Cooling capacity, W, Gal/Min (l/min).....	2500w at 40 °C, .40 (1.5)
Coolant volume, Gal. (l)	1.4 (5.5)
Max flow:, Gal/Min (l/min)5 (2.0)
Max pressure, PSIG (bar).....	50 (3.4)
Weight, lbs. (kg)	44 lbs. (20kg)

Multi Voltage unit:	Add on or separate
Main voltage, V, Hz	3x208/230/400/460/475/575, 50/60
Weight	176 lbs. (80kg)
Dimension L x W x H... 25 in. x 16 in. x 11 in. (621 x 389 x 266mm)	

Ordering Information

Aristo Mig U5000i (3x460V 60Hz)	0459230885
Aristo Mig U5000iw (3x460V 60Hz)	0459230886
	(on request)

Delivery content: 16.4 ft. (5m) mains cable and termination resistor plug.

Accessories

Multi Voltage unit, Wide	
(3x208/230/400/460/475/575V, 50/60 Hz).....	0459 145 880

Remote Controls

See pages 56-57 (ARC-23194) for a complete list of remote controls and remote control cables.

Handle includes mounting screws for separate installation. (Complete set = 2).....	0459307881
Trolley 1 (Standard)	0458530880
Trolley 2 (Feeder with counter balance device)	0458603880
Guide pin (If no trolley)	0458731880
Feeder stand	0458522880
Return cable, 16.4 ft. (5m) 2/0 (70mm2)	0156743881
AristoSelector 400/500	On request

** Only in combination with the remote control adapter. Additional Remote controls are available - see section Remote Controls pages 4-58 and 4-59.*

Water Flow guard	0467118001
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ESAT service kit	0458847880
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Connection cables, air cooled gun

Air 5.6 ft. (1.7 m).....	0456528880
Air 16.4 ft. (5.0 m)	0456528890
Air 32.8 ft. (10.0 m)	0456528881
Air 49.2 ft. (15.0 m)	0456528882
Air 82.0 ft. (25.0 m)	0456528883
Air 115 ft. (35.0 m).....	0456528884

Connection cables, water cooled gun

Water 5.6 ft. (1.7 m).....	0456528885
Water 16.4 ft. (5.0 m)	0456528895
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