

# Aristo<sup>®</sup> Mig 4004i Pulse

Light weight, multi-process inverter power source



*Aristo Mig 4004i Pulse shown with COOL 1 water cooler and Aristo U8<sub>2</sub> Plus control*

The Aristo<sup>®</sup> Mig 4004i Pulse power source is designed for high quality and high productivity welding applications. This multi-process welding package features the latest inverter technology to efficiently weld mild steel, stainless steel and aluminum using solid or flux cored wire.

It also offers a considerably improved power factor, better than 0.94 and an efficiency of 88%. This provides minimized energy consumption and offers significant reductions in your energy cost under similar welding conditions.

- Pulse functionality reduces heat input and minimizes spatter
- Up to 250 pre-programmed synergic lines
- QSet™ intelligent welding system
- Crater filling and adjustable burn back time
- Pre and post gas flows
- ESAB LogicPump prevents overheating of the torch
- TrueArcVoltage™ system measures the correct arc voltage at the contact tip (together with ESAB torches)

Visit [esab.com](http://esab.com) for more information.

## Industry

- Industrial and General Fabrication
- Energy
- Windtowers
- Transportation
- Railcars
- Mining
- Mobile Machinery
- Steel Industry
- Ship/Barge Building
- Offshore Oil



*Aristo Mig 4004i Pulse with WeldCloud Top Box online weld management platform*

# Aristo<sup>®</sup> Mig 4004i Pulse

Specifications	
<b>Aristo Mig 4004i Pulse Power Source</b>	
Primary Voltage	380 – 460 V
Number of Phases	3 ph
Supply Frequency	50/60 Hz
Fuse Slow	20 A
Setting Range MIG (GMAW)	16 – 400 A
Setting Range STICK (SMAW)	16 – 400 A
Setting Range TIG (GTAW)	4 – 400 A
Welding Output	400 A/34 V @ 60% Duty Cycle 300 A/29 V @ 100% Duty Cycle
Open Circuit Voltage	55 V
Open Circuit Voltage VRD	< 35 V
Energy Save Mode	40 W
Rated kVA	25.2 kVA
Power Factor at Maximum Current	0.94
Efficiency at Maximum Current	88%
Operating Temperature	14 – 104°F (-10 – 40°C)
Protection Class	IP23
Insulation Class	H
Dimensions L x W x H	24 x 10 x 17.5 in. (610 x 250 x 445 mm)
Weight without COOL 1 with COOL 1	98 lbs. (44.5 kg) 128 lbs. (58 kg)
Application Class	S
<b>COOL 1 Water Cooling Unit (Optional)</b>	
Supply Voltage	24 VDC
Cooling Capacity	1.3 kW
Coolant Volume	1.2 gal (4.5 L)
Max Flow	0.8 gal/min (3.0 L/min)
Max Pressure	4.5 bar
Max Torch Height	28 ft. (8.5 m)
Dimensions L x W x H (includes filler tube)	24 x 10 x 10 in. (610 x 256 x 256 mm)
Weight with coolant without coolant	36 lbs. (16.5 kg) 26.5 lbs. (12 kg)

# Aristo<sup>®</sup> Mig 4004i Pulse

Specifications	
<b>Aristo Feed 3004 Wire Feeder</b>	
Supply Voltage	42 VAC
Wire Spool Capacity	40 lbs. (18 kg)
Max. Spool Diameter	12 in. (300 mm)
Wire Feed Speed	31.5 – 984 ipm (0.8 – 25 m/min)
Wire Dimensions: Steel/Stainless Steel	.023 – 1/16 in. (0.6 – 1.6 mm)
Aluminum	.040 – 1/16 in. (1.0 – 1.6 mm)
Cored Wire	.030 – 1/16 in. (0.8 – 1.6 mm)
Dimensions L x W x H	27 x 11 x 16.5 in. (690 x 275 x 420 mm)
Weight	33 lbs. (15 kg)

Ordering Information	
Description	Part Number
Aristo Mig 4004i Pulse, 460V	0465152882
Aristo Mig 4004i Pulse/3004 U6 Ready-To-Weld	0558102268
Aristo Mig 4004i Pulse/3004 U8 <sub>2</sub> Plus Ready-To-Weld	0558102269
Aristo Mig 4004i Pulse/3004 U6 Basic	0558102226
Aristo Mig 4004i Pulse/3004w U6 Basic	0558102227
Aristo Mig 4004i Pulse/3004 U8 <sub>2</sub> Plus Basic	0558102228
Aristo Mig 4004i Pulse/3004w U8 <sub>2</sub> Plus Basic	0558102229
Aristo Mig 4004i Pulse U6 for PPG 26 KD Push-Pull Gun	0558102264
Aristo Mig 4004i Pulse U8 <sub>2</sub> Plus for PPG 26 KD Push-Pull Gun	0558102265
Aristo Mig 4004i Pulse, with WeldCloud Top Box*	0445301881

\*For more information on WeldCloud online weld management platform, see separate fact sheet.

Options & Accessories - Wire Feeders	
Description	Part Number
Aristo Feed 3004, U6 Encl. 10 pole, air-cooled	0460526486
Aristo Feed 3004w, U6 Encl. 10 pole, water-cooled	0460526896
Aristo Feed 3004, U8 <sub>2</sub> Plus Encl. 10 pole, air-cooled*	0460526481
Aristo Feed 3004w, U8 <sub>2</sub> Plus Encl. 10 pole, water-cooled*	0460526891
Aristo YardFeed 200w, U6 Encl. 10 pole, water-cooled	0459906896

\*Requires Aristo U8<sub>2</sub> Plus 0460820881.

Options & Accessories	
Description	Part Number
Aristo U8 <sub>2</sub> Plus	0460820881
Aristo U8 <sub>2</sub> control cable extension, 24.6 ft. (7.5 m)	0460877891
Strain relief for welding gun	0457341881
Strain relief for connection cables	0459234880
Lifting eye	0458706880
Quick connector for Marathon Pac	899F50

# Aristo® Mig 4004i Pulse

Options & Accessories	
Description	Part Number
Inlet guide for Marathon Pac (use with 899F50)	0558002354
Remote control MTA1 CAN	0459491880
Remote control MT1 10Prog CAN	0459491882
Remote interconnection cable, 16.4 ft. (5 m)	0459960880
Remote adapter kit for Miggytrac/Railtrac	0459681880
Push-pull gun connection kit, basic	0459020883
Push-pull gun connection kit, remote WFS	0459681881
COOL 1 water cooler	0462300880
COOL 1 flow guard	0456855881
Adapter for 11 lbs. (5 kg) spool	0455410001
Spool cover, steel	0459431880
Adapter for spool diameter 17 in. (440 mm)	0459233880
Wheel kit for wire feeder	0458707880
Trolley 4-wheel - standard	0462151880
Trolley 4-wheel - standard, bracket (without COOL 1)	0463125880
Trolley 2-wheel	0460564880
Trolley 4-wheel - for MiniBoom	0460565880
Bracket kit to assemble power source to 2/4-wheel trolley	0461310880
Trolley 4-wheel stabilizer kit for counterbalance device	0460946880
MiniBoom counterbalance device**	0458705880
Interconnection Cable - 70mm <sup>2</sup> , 5.5 ft. (1.7 m) - air-cooled	0349312450
Interconnection Cable - 70mm <sup>2</sup> , 16.4 ft. (5 m) - air-cooled	0349312451
Interconnection Cable - 70mm <sup>2</sup> , 33 ft. (10 m) - air-cooled	0349312452
Interconnection Cable - 70mm <sup>2</sup> , 49 ft. (15 m) - air-cooled	0349312453
Interconnection Cable - 70mm <sup>2</sup> , 82 ft. (25 m) - air-cooled	0349312454
Interconnection Cable - 70mm <sup>2</sup> , 115 ft. (35 m) - air-cooled	0349312455
Interconnection Cable - 70mm <sup>2</sup> , 5.5 ft. (1.7 m) - water-cooled	0459528790
Interconnection Cable - 70mm <sup>2</sup> , 16.4 ft. (5 m) - water-cooled	0459528791
Interconnection Cable - 70mm <sup>2</sup> , 33 ft. (10 m) - water-cooled	0459528792
Interconnection Cable - 70mm <sup>2</sup> , 49 ft. (15 m) - water-cooled	0459528793
Interconnection Cable - 70mm <sup>2</sup> , 82 ft. (25 m) - water-cooled	0459528794
Interconnection Cable - 70mm <sup>2</sup> , 115 ft. (35 m) - water-cooled	0459528795

\*\*Requires P/N 0460565880, 0461310880 and 0460946880.



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COMPANY WITH  
MANAGEMENT SYSTEM  
CERTIFIED BY DNV  
= ISO 9001 =  
= ISO 14001 =  
= OHSAS 18001 =