

Aristo® Mig 4004i Pulse

New edition power source with focus on Aluminium and Stainless Steel applications



The new edition of the Aristo® 4004i Pulse power source provides substantially improved arc welding performance. It's designed for high-productivity and high-quality welding applications.

The Aristo power source integrates fully with ESAB's industry-leading WeldCloud™ online data management platform via Wi-Fi, mobile cellular or hard-wired Ethernet communication.

- Advanced pulse functionality reduces heat input and minimizes spatter
- Up to 250 pre-programmed synergic lines (U8₂ Plus)
- QSet™ intelligent welding system
- Crater filling and adjustable burn back time for defect-free weld terminations
- Pre- and post-gas flows
- Improved power factor of 0.95 and an efficiency of 89.5%
- TrueArcVoltage™ system measures the correct arc voltage at the contact tip (together with ESAB torches)

Visit esab.com for more information.

Industry

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



Aristo Mig 4004i Pulse with WeldCloud™ Top Box

Specifications			
Mains Voltage	380 – 460 V		
Number of Phases	3 ph		
Supply Frequency	50/60 Hz		
Fuse Slow	20 A		
Welding Output	300 A / 29 V at 100% Duty Cycle 400 A / 34 V at 60% Duty Cycle		
Setting Range MIG/MAG & MMA	16 – 400 A		
Setting Range TIG	4 – 400 A		
Open Circuit Voltage	55 V		
Open Circuit Voltage VRD	<35 V		
Rated kVA	25.2 kVA		
Energy Save Mode	40 W		
Efficiency at Max Current	89.5%		
Power Factor at Max Current	0.95		
Dimensions L x W x H	610x250x445 mm		
Weight with / without COOL 1	58 kg / 44.5 kg		
Operating Temperature	-10 to +40 °C		
Enclosure Class	IP23		
Application Class	S		
Insulation Class	H		
Certification Mark (Standards)	CE		
Recommended Mains Cable Cross Section	AWG 10, (4x 4,0 mm ²)		
COOL 1 Water Cooling Unit (Optional)			
Supply Voltage	24 VDC		
Cooling Capacity	1.3 kw		
Coolant Volume	4.5 l		
Max Flow	3.0 l/min		
Max Pressure	4.5 bar		
Max Torch Height	8.5 m		
Weight with / without Coolant	16,5 kg / 12 kg		
Dimensions incl. filler tube L x W x H	610 x 256 x 256 mm		
Aristo® Feed 3004 / 4804			
Supply Voltage	42 VAC		
Wire Spool Capacity	18 kg		
Max Spool Diameter	300 mm		
Wire Feed Speed	0.8 – 25.0 m/min		
Dimensions L x W x H	690 x 275 x 420 mm		
Weight 3004 / 4804	15 kg / 19 kg		
Wire Dimensions	3004	4804	YardFeed 2000
Steel / Stainless Steel	0.6 – 1.6	0.6 – 2.4	0.6 – 1.2
Aluminium	0.9 – 1.6	1.0 – 2.4	1.0 – 1.6
Cored Wire	0.8 – 1.6	0.8 – 2.4	0.8 – 1.4

Ordering Information

Aristo® Mig 4004i Pulse (460V CE)	0465152883
Aristo® Mig 4004i Pulse (460V CE with WeldCloud™ Top Box*)	0445301880

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

Options & Accessories

Quick Connector Marathon Pac™	F102440880
Remote Control MTA1 CAN	0459491880
Remote Control MT1 10Prog. CAN	0459491882
Remote Interconnection Cable 5 m	0459960880
Remote Adapter Kit Miggytrac/Railtrac	0459681880
PP Connection Kit, basic	0459020883
PP Connection Kit, remote WFS	0459681881
COOL 1 Water Cooler	0462300880
COOL 1 Flow Guard	0456855881
Retrofit Mig 4004i WeldCloud™	0445302881
USB Memory 2GB for WeldCloud™	0462062001

Wire Feeder Accessories

Strain Relief for Welding Torch	0457341881
Strain Relief for Interconnection Cables	0459234880
Lifting Eye	0458706880
Adapter for 5kg Spool	0455410001
Spool Cover	0458674880
Spool Cover, Steel	0459431880
Adapter for Spool Diameter 440 mm	0459233880
Wheel Kit for Feeder	0458707880

For complete list of wire feeder accessories please see separate fact sheet.

Wire Feeder & Control Panel

Feeders	Air cooled	Water cooled
Aristo® Feed 3004, MA25 Steel	0460526672	0460526673
Aristo® Feed 3004, MA25 Aluminium	0460526670	0460526671
Aristo® Feed 3004, U6 Encl. 10 pole	0460526886	0460526896
Aristo® Feed 3004, M0 Encl. 10 pole	0460526881	0460526891
Aristo® Feed 4804w, U6 Encl. 10 pole	-	0460526996
Aristo® Feed 4804w, M0 Encl. 10 pole	-	0460526991
Aristo® YardFeed 2000w, U6 Encl. 10 pole	-	0459906896
Aristo® U82		
Aristo® U82 complete incl. holder	0460820880	
Aristo® U82 Plus complete incl. Holder	0460820881	
Control cable extension U82 7.5 m	0460877891	

Wire Feeder Accessories

Interconnection Cables 10 pole	
50mm ² for YardFeed 10 m, air cooled	0459528562
50mm ² for YardFeed 15 m, air cooled	0459528563
50mm ² for YardFeed 25 m, air cooled	0459528564
50mm ² for YardFeed 35 m, air cooled	0459528565
50mm ² for YardFeed 10 m, water cooled	0459528572
50mm ² for YardFeed 15 m, water cooled	0459528573
50mm ² for YardFeed 25 m, water cooled	0459528574
50mm ² for YardFeed 35 m, water cooled	0459528575
70mm ² for Feed 3004/4804 1.7 m, air cooled	0459528780
70mm ² for Feed 3004/4804 5.0 m, air cooled	0459528781
70mm ² for Feed 3004/4804 10 m, air cooled	0459528782
70mm ² for Feed 3004/4804 15 m, air cooled	0459528783
70mm ² for Feed 3004/4804 25 m, air cooled	0459528784
70mm ² for Feed 3004/4804 35 m, air cooled	0459528785
70mm ² for Feed 3004/4804 1.7 m, water cooled	0459528790
70mm ² for Feed 3004/4804 5.0 m, water cooled	0459528791
70mm ² for Feed 3004/4804 10 m, water cooled	0459528792
70mm ² for Feed 3004/4804 15 m, water cooled	0459528793
70mm ² for Feed 3004/4804 25 m, water cooled	0459528794
70mm ² for Feed 3004/4804 35 m, water cooled	0459528795

Trolley & Trolley Accessories

Trolley 4-wheel	0462151880
Bracket for Trolley 4-wheel (without COOL 1)	0463125880
Trolley 4-wheel for WeldCloud™ Top Box	0445499880
Trolley 4-wheel for WeldCloud™ Top Box and COOL 1	0445499881
Trolley, 4-wheel for Counter Balance Arm	0460565880
Trolley, 2-wheel for YardFeed	0460564880
Bracket Kit for assembling power source to 2/4-wheel trolley	0461310880
Stabilizer Kit for Counter Balance Arm	0460946880
Counter Balance Arm*	0458705880

* Requires trolley 0460565880, kits 0461310880 and 0460946880.



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