

# AEROPROCESS DVW Wi

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❓ The AEROPROCESS DVW Wi is the ultimate solution for industrial welding. Designed for high-demand applications, this professional synergic multiprocess MIG welding machine features a separate wire feeder and a powerful AeroCool water cooling system to maximize efficiency in every weld. Available in 320A, 400A, and 500A versions at a 45% duty cycle, it guarantees exceptional performance on all materials, including steel, aluminum, and stainless steel. Additionally, its advanced synergic control automatically optimizes parameters for a stable arc with minimal spatter, ensuring maximum precision. Thanks to the integrated Welding Intelligence (Wi) module, it offers advanced connectivity, remote control, and data management for complete welding process monitoring. Take your productivity to the next level with Solter technology!

## Key Features:

- ❓ **Multiprocess welding machine:** Compatible with MIG-MAG (with and without gas), TIG Lift-Arc, and MMA, adapting to any type of job.
- ❓ **Intelligent synergic control:** Automatically preselects the best parameters based on material and thickness, ensuring high-quality welds with optimal settings.
- ❓ **Stable arc with minimal spatter:** Arc height regulation system that reduces spatter and enhances weld bead stability.
- ❓ **Adjustable Crater-Filling:** Ensures a perfect weld bead finish, ideal for jobs requiring aesthetics and precision.
- ❓ **Adjustable power:** Available in 320A, 400A, and 500A models with a 45% duty cycle, ideal for prolonged welding without interruptions.
- ❓ **Advanced consumption and cost control:** Real-time voltage and current monitoring during welding, with data storage for operational cost analysis.
- ❓ **Welding wire management:** Precise control of wire consumption, enabling better planning and material optimization.
- ❓ **Storage of up to 21 custom programs:** Enables repetition of optimal settings, reducing errors and maximizing efficiency.
- ❓ **Impeccable results on multiple materials:** Outstanding performance on carbon steel (SG3), stainless steel (Ss-309, Ss-316), aluminum (AL-5356, AL-4043), copper-silicon (CuSi3), and flux-cored welding (Fc-Rutile, Fc-Basic, Fc-316, E71T-GS gasless).
- ❓ **Welding Intelligence (Wi) Technology:** WaaS Welding connectivity for real-time monitoring, data storage, and remote optimization.

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## TECHNICAL DATA

## OPTIONAL ACCESSORIES

### Generals

Intensity at 60% (100%) a 40°C	320A (280A) // 400A (320A) // 500A (350A)
Intensity MAX.	320A // 400A // 500A
Regulations	EN60974-1, EN60974-10
Regulation	10-320A(10,4-30V) // 10A-400A(10,4-34V) // 10-500A(10,4-36V)
Duty Cycle at 40°C	40% // 40% // 35%

### Technical

Usable wire coil	D300 - 15kg
Usable electrodes MMA	1,6mm - 4,0mm
Usable electrodes TIG	1,6mm - 3,2mm
Usable welding wire	0,6 - 1,6 mm
Motor max power	65W
Wire feeder rolls	4R
Wire speed	0.....18m/min

### Structural

Dimensions	655x275x1290mm
Protection index	IP23S
Regulation board	AEROPROCESS SYNERGIC
Weight	85kg
Ventilation	TUNNEL AUTOMATIC

### Electrical

Supply Voltage	400V - 3ph
Fuse	16A
Absorved power max.	15Kva // 22Kva // 23Kva
OCV	62V