



# Certificate of Compliance

**Certificate:** 70165678

**Master Contract:** 203213

**Project:** 80107380

**Date Issued:** 2021-12-15

**Issued To:** Fronius International GmbH  
Guenter Fronius Strasse 1  
Wels-Thalheim, Upper Austria, 4600  
Austria

**Attention:** Josef Feichtinger

*The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.*

**Issued by:** *Alessandro Raspatelli*  
Alessandro Raspatelli



## **PRODUCTS**

CLASS - C561103 - WELDING MACHINES Welding Machines

CLASS - C561183 - WELDING MACHINES Certified to US Standards

## **PART A:**

**Model “iWave 230i DC /MV/B” (Alternate name: “TransTig 230iMV/B”, “TT 230i MV/B”)** followed by suffixes, inverter type welding power sources, for TIG and Rod Electrode welding processes, rated as follows:

Input: 230V, 22.8A (max.), 15.3A (eff.) / 120V, 28.9A (max), 19.4A (eff.); 1 phase, 50 or 60Hz;

Output: 230V: 16.8V, 170Adc, 100% Duty cycle; 18.2V, 205Adc, 60% Duty Cycle; 19.2V, 230Adc, 45% Duty cycle;

120V: 15.2V, 130Adc, 100% Duty cycle; 16.2V, 155Adc, 60% Duty cycle; 16.8V, 170Adc, 45% Duty cycle;

Max. OCV: 97Vpeak

IP-23



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**PART B:**

**Model “iWave 190i AC/DC /MV/B” (Alternate name: “MagicWave 190 MV/B”, “MW 190 MV/B”)** followed by suffixes, inverter type welding power sources, for TIG and Rod Electrode welding processes, rated as follows:

Input: 230V, 19.2A (max.), 12.4A (eff.) / 120V, 28.2A (max), 16.7A (eff.); 1 phase, 50 or 60Hz;

Output: 230V: 15.6V, 140Adc, 100% Duty cycle; 16.4V, 160Adc, 60% Duty cycle; 17.6V, 190Adc, 35% Duty cycle; 120V: 14.0V, 100Adc, 100% Duty cycle; 14.8V, 120Adc, 60% Duty cycle; 16.0V, 150Adc, 35% Duty cycle;

Max. OCV: 100Vpeak; IP-23

**PART C:**

**Model “iWave 230i AC/DC /MV/B” (Alternate name: “MagiWave 230i MV/B”, “MW 230i MV/B”)**

followed by suffixes, inverter type welding power sources, for TIG and Rod Electrode welding processes, rated as follows:

Input: 230V, 25.1A (max.), 14.9A (eff.) / 120V, 30.2A (max), 17.9A (eff.); 1 phase, 50 or 60Hz;

Output: 230V: 16.6V, 165Adc, 100% Duty cycle; 17.8V, 195Adc, 60% Duty cycle; 19.2V, 230Adc, 35% Duty cycle; 120V: 14.8V, 120Adc, 100% Duty cycle; 15.6V, 140Adc, 60% Duty cycle; 16.8V, 170Adc, 35% Duty cycle;

Max. OCV: 100Vpeak  
IP-23

**PART D:**

**Model “CU 600t MV”** Welding accessory, water cooler for cooling welding system components manufactured by Fronius, using Fronius coolant,

Input: 230V, 1.2A (max.), 1 phase, 50 or 60Hz;

120V, 2.4A (max.), 1 phase, 50 or 60Hz;

Output: 0.6kW at 1.0l/min, 4.2bar max

IP-23

**PART E:**

**Model “CU 600t MV /MC”** Welding accessory, water cooler for cooling welding system components manufactured by Fronius, using Fronius coolant,

Input: 230V, 1.2A (max.), 1 phase, 50 or 60Hz;

120V, 2.4A (max.), 1 phase, 50 or 60Hz;

Output: 0.6kW at 1.0l/min, 4.2bar max

IP-23

**PART F: ACCESSORIES for Model “iWave 230i DC /MV/B, iWave 190i AC/DC /MV/B, iWave 230i AC/DC /MV/B”:**

Remote control units employed in conjunction with power source iWave 230i DC /MV/B, iWave 190i AC/DC /MV/B, iWave 230i AC/DC /MV/B

**NOTE:**

- The installation of equipment not provided with power plug and cord is subject to Approval of the Local Inspection Authority.



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### **APPLICABLE REQUIREMENTS**

CSA C22.2 No. 60974-1:19 - Arc Welding Equipment – Part 1: Welding Power Sources  
ANSI/NEMA/IEC 60974-1:2019 - Arc Welding Equipment – Part 1: Welding Power Sources

### **MARKINGS**

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.

Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.

The products listed are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and U.S. Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only.

The following markings appear clearly on the unit in a permanent manner.

(a) Submitter's name and/or File number "203213" adjacent to the c CSA us monogram.

(b) Model designation.

(c) Complete electrical rating, including input volts, hertz, and amps; and output amps, volts, AC or DC, duty cycle in % and max. open circuit secondary voltage (U0)

(d) The power ON and OFF positions

(e) The date of manufacture or date-traceable serial number

(f) The output amp scale indicates the output amps available from the machine.

(g) The following warnings are included on the enclosure front or top

- FUMES AND GASES CAN INJURE YOUR HEALTH. ARC RAYS CAN INJURE EYES AND BURN. ELECTRIC SHOCK CAN KILL
- READ AND UNDERSTAND THE MANUFACTURER'S INSTRUCTIONS AND YOUR EMPLOYER'S SAFETY PRACTICES
- KEEP YOUR HEAD OUT OF THE FUMES
- USE ENOUGH VENTILATION, EXHAUST AT THE ARC, OR BOTH, TO KEEP FUMES AND GASES FROM YOUR BREATHING ZONE AND THE GENERAL AREA
- WEAR CORRECT EYE, EAR AND BODY PROTECTION
- DO NOT TOUCH LIVE ELECTRICAL PARTS
- CONSULT INSTRUCTION MANUAL BEFORE OPERATING
- DO NOT REMOVE THIS MARKING

(h) An instruction manual is provided with each machine shipped that includes the safety measures that are



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included in clause 5.11(a) to (g).

(i) A diagram shall be included inside the enclosure that shows connections of the replacement cord, including ground.

Safety markings are provided in a location clearly visible to the operator. An instruction manual is provided with each machine shipped that includes the safe installation and usage of the equipment and includes the information in Standard CAN/CSA E60974-1 and references CSA Standards W117.2, ANSI Standard Z49.1 as applicable for each machine.

Notes:

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Products certified under Class C561103 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). [www.scc.ca](http://www.scc.ca)

