

## Engineering Specification

Job Name \_\_\_\_\_

Contractor Signature \_\_\_\_\_

Orion Representative \_\_\_\_\_

Approval Date \_\_\_\_\_

Quantity Required \_\_\_\_\_

Contractor's P.O. No. \_\_\_\_\_

# Model RF-3000LE

## Rionfuser™ Electrofusion Processor

### Connection Sizes: 1.5" – 12" (38mm to 305mm)

The Rionfuser™ RF-3000LE electrofusion processor is a reliable, easy-to-use, rugged tool designed to withstand conditions found at typical construction sites. It comes with an integral splash-proof and shock resistant outer suitcase-style enclosure. The Rionfuser™ RF-3000LE is used to thermally fuse Orion Rionfuse RFCF couplings to Orion pipe and fittings, and can be used with Orion PP, FRPP or PVDF products. The RF-3000LE can be operated from any AC power source meeting the listed input power requirements, and comes with an intuitive user interface. The Rionfuser™ RF-3000LE cannot be used with other manufacturers' electrofusion couplings. The RF-3000LE supports Bluetooth® wireless technology that can be viewed instantly via your mobile device using Apple® iOS and Android™ operating systems. A free app can be downloaded from the App Store® online store or Google Play™ store.

### Features

- Size-dependent multiple joint fusion capability
- Field calibration capability
- Downloadable internal memory for data storage
- Bluetooth wireless connection to mobile devices
- 4X20 LCD display with replaceable shield
- Compact and lightweight
- Field-replaceable output cable ends
- User-accessible fuse
- Emergency stop switch
- Can store fusion information for 1,000 fusions

### Specification

Hermetically sealed joints conforming to ASTM F1290, Technique 1 are to be produced for the Orion chemical piping system using the Orion Rionfuser™ machine model RF-3000LE, an electrofusion processor designed to be used exclusively with Orion RFCF electrofusion couplings in either FRPP or PVDF material. The RF-3000LE shall have an integral splash-proof and shock resistant outer suitcase-style enclosure, intuitive LCD display user interface, size dependent multiple joint fusion capability, field calibration capability, and downloadable internal memory. The fusion machine shall have user-accessible fuse, emergency stop switch, Bluetooth® wireless communication, and will operate from any AC power source meeting listed input power requirements.

### NOTICE

The information contained herein is not intended to replace the full product installation and safety information available or the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product.

Orion Fittings product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Orion Fittings Technical Service. Orion Fittings reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Orion Fittings products previously or subsequently sold.

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ES-OR-RF-3000LE 2134



Model RF-3000LE

### Operating Parameters

Supply Voltage – 97 VAC to 150 VAC

Supply Frequency – 47 Hz to 70 Hz

Supply Waveform – Sine Wave or Square Wave

Output Current – 20 Amps AC

Output Voltage – 95 VAC at 120 Volts Input

Operating Temp. Range – 0°F to 120°F (-18°C to 49°C)

Operating Modes – CF FRPP, PVDF, Manual

Input Cable Length – 12ft (3.66m)

Output Cable Length – 24ft (7.315m)

Fusion Information Storage – 1,000 Fusions

Languages – English

Environmental Protection – IP54 Splash-Proof

Calibration Interval – 2 Years

Dimensions – 19in x 14in x 7in (47mm x 36mm x 18mm)

Weight – 17lbs (7.7kg)

# ORION®

A WATTS Brand