



**For Immediate Release**

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## **Riello to Introduce Ionization Probe for Low NOx, Blue Flame Kerosene Burners**

CITY, England, XX Month, 2020 – Focused on a continuous commitment to innovate, [Riello](#) is launching an upgraded version of its RDB kerosene burners with flame-detection ionization probes. The probes will be available on Riello's popular RDB BG low nitrogen oxides (NOx) blue flame kerosene burner range in the UK and Ireland, and replace the ultra-violet (UV) flame sensors currently used, providing a simpler, longer-lasting life safety solution. Riello Group, a leader in products and services for heating, air conditioning and energy efficiency, is a part of Carrier, a leading global provider of innovative heating, ventilating and air conditioning (HVAC), refrigeration, fire, security and building automation technologies.

Ionization probes are a simpler means of flame supervision, with a defined life expectancy of approximately 20,000 hours – double the expected life of a UV flame sensor. Located within the flame itself, ionization probes detect the charged ions that result from the combustion of a hydrocarbon, allowing a small electrical current to be conducted across the flame when applied. If no such current is detected, the burner is forced into a safety shutdown.

Ionization probes are a proven means of flame detection installed in a vast array of combustion equipment and will soon be available for the RDB BG low NOx kerosene burner range. This product development is in line with Riello's focus on simplicity and familiarization of components for engineers, many of whom have worked with ionization probes on other equipment for years.

For more information, visit <https://www.rielloburners.co.uk/>.

### **About Riello Group**

Founded in 1922, Riello Group is a leader in products and services for heating, air-conditioning and energy efficiency. Headquartered in Legnago (Verona), Italy, Riello operates in over 120 countries. Riello is a part of Carrier, a leading global provider of innovative HVAC, refrigeration, fire, security and building automation technologies. For more information, visit [www.riello.com](http://www.riello.com).



UV Sensor



Example of Ionisation Probe