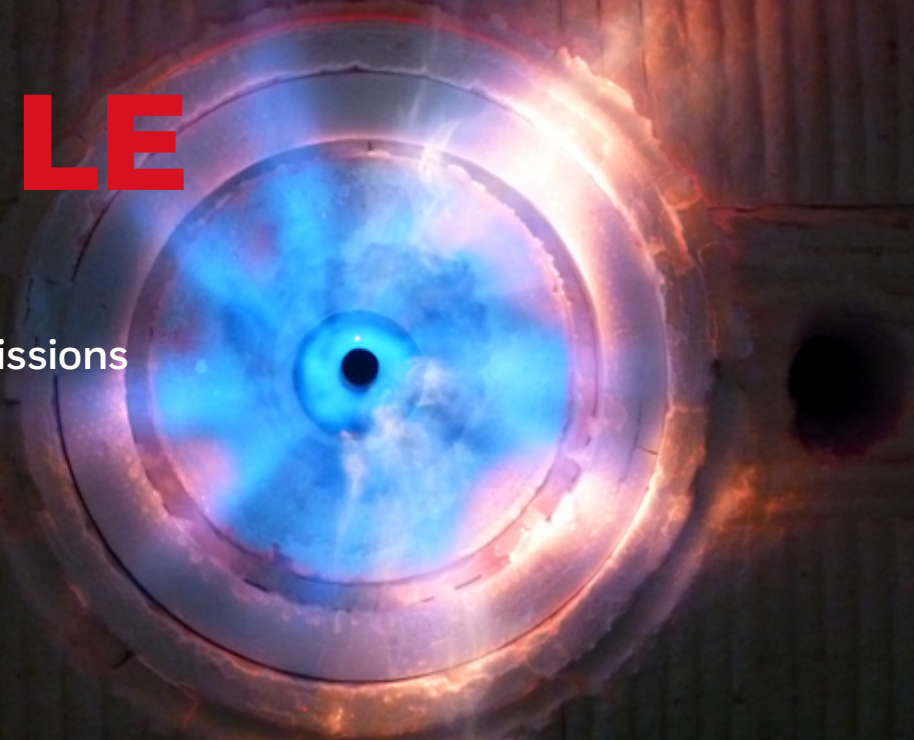


ECOMAX LE BURNER

Achieve Class-Leading NO_x Emissions



ECOMAX[®] LE is Honeywell's next generation self-recuperative burner for indirect radiant tube heating. Available today as a Size 3* ceramic indirect model, ECOMAX LE is based on the industry-leading ECOMAX platform – delivering the quality, technology and depth of engineering users have come to expect from the ECOMAX brand.

MEETS COMPLEX, GLOBAL REGULATORY REQUIREMENTS

ECOMAX LE is designed for furnace OEMs that need to meet ever-tightening emissions requirements worldwide as well as end users that want to upgrade heat treatment process equipment, including batch furnaces and continuous annealing lines.

The solution offers best-in-class NO_x emissions and improved efficiency thanks to its ability to operate in flameless mode as well as a redesigned recuperator. The burner runs in flame mode until a switching temperature of 850°C (1560°F) is reached, then switches to flameless mode for the best NO_x performance.

OFFERS EASY, INTUITIVE OPERATION AND A WIDE RANGE OF FEATURES

Incorporating Honeywell's next generation, IIoT-ready BCU 4 burner control unit, ECOMAX LE features easy-to-use on/off or high/low/off (NFPA) control with direct spark ignition in flame mode. In low-NO_x (flameless) mode it uses temperature supervision, which requires a separate SIL rated zone control unit such as a PLC or Kromschroder FCU furnace control device.



KEY SPECIFICATIONS AND FEATURES OF ECOMAX LE SIZE 3

The ECOMAX LE Size 3 ceramic indirect burner comes fully equipped with BCU 4 Series burner control, air and fuel control valves, SER-C radiant tubes, FlameCone and SICAFLEX inserts and piping.

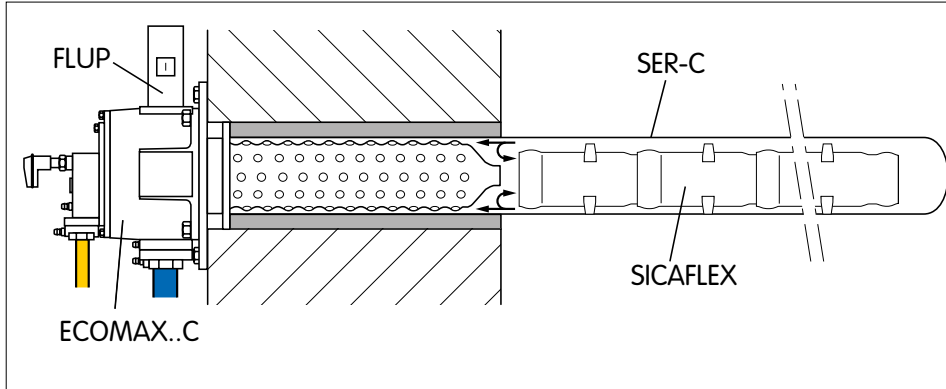
Key specifications and features include:

- Best in class NO_x performance: < 100ppm NO_x in all flameless capacities, as low as 25ppm NO_x (corrected to 3% O₂) in certain ranges
- Up to 5% improved efficiency over the original ECOMAX model
- Flame and flameless modes, with a switching temperature of 850°C (1560°F)
- Identical footprint to the standard ECOMAX model, facilitating upgrades

*Sizes 1 Ceramic indirect and 2 Ceramic indirect will be available in early 2021.

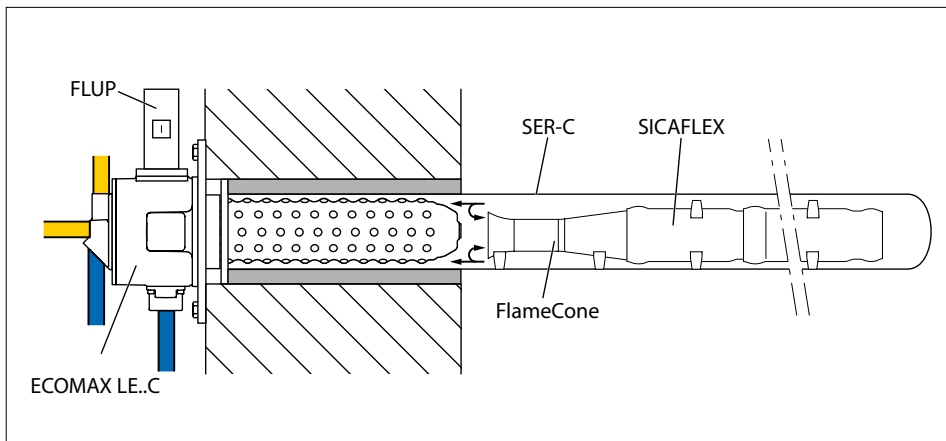
DIFFERENCE ECOMAX -NEW ECOMAX LE

Both systems work with exhaust recirculation.



ECOMAX radiant tube heating

- IIoT-ready BCU 4 burner control unit features on/off or high/low/off (NFPA) control; and PROFIBUS, PROFINET and EtherNet/IP compatible
- Size 3: Radiant Tube SER-C OD/ID: 202 mm/192mm;
Standard Length 545mm/20"
- Capacity: 60 kW to 100kW (0.227 MMBTU/hr to 0.38 MMBTU/hr)
- Natural gas supply pressure 80 mbar/32" w.c.
- Air supply pressure 90 mbar / 36" w.c.



ECOMAX LE radiant tube heating

For More Information

To learn more about ECOMAX LE or other Honeywell Thermal Solutions products, and services, visit www.honeywellprocess.com/hts or contact your Honeywell sales engineer.

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THE
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