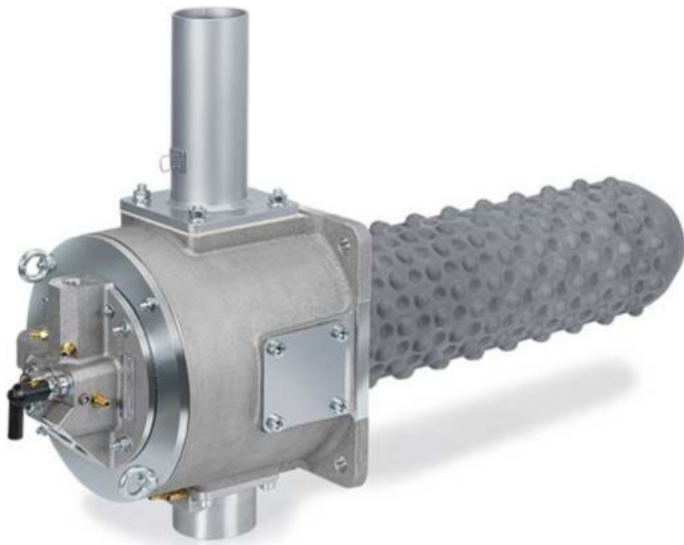


SELF RECUPERATIVE AND RADIANT TUBE BURNERS

ECOMAX LE

ECOMAX® LE is Honeywell's next generation self-recuperative burner, offering best in class NOx emissions and improved efficiency.

Overview



Low emissions, self-recuperative burners for indirect (radiant tube) heating of furnace systems.

Features & Benefits:

- Best in Class NOx performance < 100ppm NOx in all flameless capacities, as low as 25ppm, air/gas valves, tube & inserts, and piping NOx (corrected to 3% O2) in certain ranges
- Flame and Flameless modes: switching temperature of 850°C (1560°F)
- Up to 7% improved efficiency over standard ECOMAX®
- 3 burner sizes covering a capacity range of 36 to 100 kW (136 to 378 kBTU/h)
- Available with metallic recuperator (..M) or with a ceramic recuperator (..C)
- Fits in the same footprint as the current Ecomax® for easy upgrades
- Packaged with BCU4 series controls
- Fuel type: natural gas, gas supply pressure 80 mbar / 32" w.c.
- Air supply pressure 90 mbar / 36" w.c.
- Flame velocity: 120 to 150 m/s
- Control: ON/OFF or HIGH/LOW pulse

More Information:

- [Technical Information for ECOMAX LE](#)
- [Find products in ProFi for ECOMAX LE](#)
- [Find spare parts in PartDetective for ECOMAX LE](#)
- [Low Emissions](#)
- [ECOMAX LE Individual website](#)
- [Zero Carbon and Hydrogen](#)

Specifications

PROCESSING & PERFORMANCE METRICS

Adjusting Range

- 60 to 100%

Capacity Range

- (LE 1) - 36 kW/136 kBTU/h, (LE 2) - 60 kW/227 kBTU/h, (LE 3) - 100 kW/378 kBTU/h

DIMENSIONS & SIZE SPECIFICATIONS

Sizes

- ECOMAX LE 1, 2, 3

CONTROL, LOGIC & SYSTEM BEHAVIOR

Operating Modes

- On/Off, cyclic operation

AIR/EXHAUST/FLUE GAS TEMPERATURES

Maximum Flue Gas Temperature

- C Recuperator - 1260 deg C (2300 deg F)
- M Recuperator - 1150 deg C (2100 deg F)

Maximum Air Preheat Temperature

- Up to approximately 850 deg C (1562 deg F)

MATERIAL SPECIFICATIONS

Material

- Cast Aluminium, Double-Wall Design

ELECTRICAL SPECIFICATIONS

Maintenance Interval

- Twice per year (more frequent if media is contaminated)

IGNITION, FLAME & SUPERVISION SPECIFICATIONS

Ignition Type

- Direct Spark Ignition

Flame Velocity

- 130-170 m/s (430-560 ft/s)

Flame Control

- Flame rod (UV sensor optional)

THERMAL, FLOW & PROCESS CHARACTERISTICS

Heating Type

- Radiant tube heating

FUEL, GAS & MEDIA SPECIFICATIONS

Gas Type

- Natural gas (L and H quality)

BURNER/FLAME-RELATED LENGTHS

Flame Length

- 300 to 450 mm (1 to 1.5 ft) depending on model

CONTROL, LOGIC & FUNCTIONAL BEHAVIOR

Control Type

- On/Off or Low/High/Off (NFPA)



Combustion Principle

- High-velocity staged combustion with flue gas recirculation

PRODUCT DESIGN & CONFIGURATION

Burner Versions

- ECOMAX LE..C, ECOMAX LE..M

OVERVIEW

Burner Type

- Low-NOx self-recuperative gas burner

STANDARDS & CERTIFICATIONS

Approvals

- EN 746-2, 2006/42/EC

APPLICATIONS & COMPATIBILITY

Applications

- Indirect heating (radiant tube systems)

Filters

▼ CATEGORY	
☒ Spare Part	
☒ Base Part	
▼ TYPE	
☒ Gasket	
☒ Insulation Casing	
☒ Electrode	
☒ Gas Lance	
☒ Gas Lance Assembly	
☒ Connection Set	
☒ Gasket Set	
Search	
Part Number	22801300
Description	Insulation 4_5(A) -casing/flue gas
Category	Spare Part
Type	Insulation Casing
	Order Online
Part Number	HK405831
Description	SHIM, ECOMAX OC, FLUE GAS INEX SISC, 84MM O
Category	Spare Part
Type	Shim
	Order Online
Part Number	KS21100687
Description	Electrode Eco 2 -545-A=551-MT
Category	Spare Part
Type	Electrode
	Order Online

Part Number	KS21103986
Description	Elektrode Eco 3 -695-A= 780-MT-APM
Category	Spare Part
Type	Electrode
	Order Online
Part Number	KS21104121
Description	Elektrode Eco 4 -695-A= 822-GD-APM
Category	Spare Part
Type	Electrode
	Order Online
Part Number	KS21106221
Description	SI ECO 1 545 A 566 MT APM ECOMAX 1C545, V
Category	Base Part
Type	Burner
	Order Online
Part Number	KS21800137
Description	GSKT SET ECO 1C/2C ECOMAX 1C/2C
Category	Spare Part
Type	Gasket
	Order Online
Part Number	KS21800154
Description	Dichtung-Set Eco 3C
Category	Spare Part
Type	Gasket
	Order Online
Part Number	KS21801029
Description	Gaslanze ECO 4C/M-695-SB/(31)
Category	Spare Part
Type	Gas Lance
	Order Online
Part Number	KS21802412
Description	Gaslanze ECO 1M-695-SB/(33)
Category	Spare Part
Type	Gas Lance
	Order Online

Rows 10 ▾

Product Number



Please sign in to view part numbers available for purchase based on your account

Sign In

22801300

Insulation 4_5(A) -casing/flue gas

22801300

Insulation 4_5(A) -casing/flue gas

HK405831

SHIM,ECOMAX OC,FLUE GAS INEX SISC,84MM O



HK405831
SHIM,ECOMAX OC,FLUE GAS INEX SISC,84MM O

KS21100687
Electrode Eco 2 -545-A=551-MT

KS21100687
Electrode Eco 2 -545-A=551-MT

KS21103986
Elektrode Eco 3 -695-A= 780-MT-APM

KS21103986
Elektrode Eco 3 -695-A= 780-MT-APM

KS21104121
Elektrode Eco 4 -695-A= 822-GD-APM

KS21104121
Elektrode Eco 4 -695-A= 822-GD-APM

KS21106221
SI ECO 1 545 A 566 MT APM ECOMAX 1C545,V

KS21106221
SI ECO 1 545 A 566 MT APM ECOMAX 1C545,V

KS21800137
GSKT SET ECO 1C/2C ECOMAX 1C/2C

KS21800137
GSKT SET ECO 1C/2C ECOMAX 1C/2C

KS21800154
Dichtung-Set Eco 3C

KS21800154
Dichtung-Set Eco 3C

KS21801029
Gaslanze ECO 4C/M-695-SB/(31)

KS21801029
Gaslanze ECO 4C/M-695-SB/(31)

KS21802412
Gaslanze ECO 1M-695-SB/(33)

KS21802412
Gaslanze ECO 1M-695-SB/(33)

