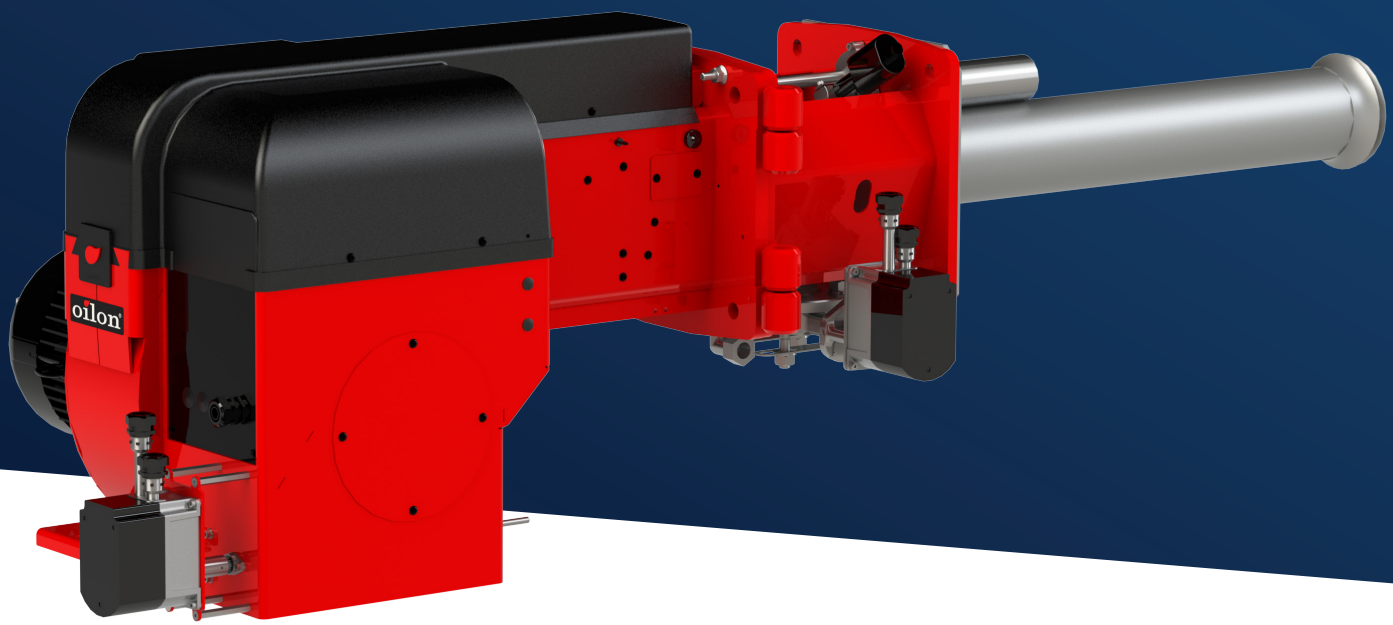
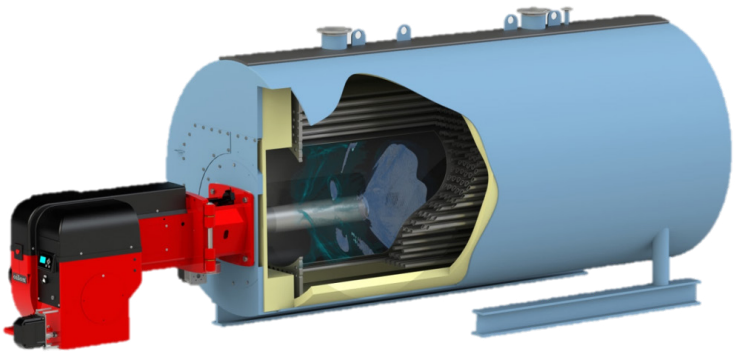
Ultra Low NO_x Combustion Technology

NO_x emissions with LN30 burners as low as < 2.5 ppm



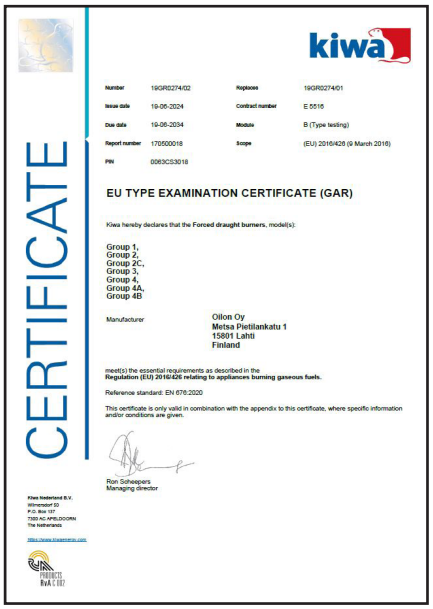
oilon

LN30 burner family



Ultra low NOx burners for natural gas and LPG

- No mesh
- No filters for combustion air
- No FGR
- No sensitivity for dirty combustion air
- No expensive or fragile spare parts/materials
- Extremely durable, heavy duty,
  state of the art combustion head design
- Less down time and maintenance
- Advanced, user-friendly Oilon WiseDrive burner
  control system improves
  combustion efficiency and reduces
  flue gas emissions
- Easy to commission and operate
- Increased savings and fast payback
- For further NOx emission capabilities please check
  Oilon Selection Tool
- EU type examination certification for the technology
- EU patent granted.



kiwa

CERTIFICATE

Number	19GR0274/02	Replaces	19GR0274/01
Issue date	19-06-2024	Contract number	E 5516
Due date	19-06-2034	Module	B (Type testing)
Report number	170500018	Scope	(EU) 2016/426 (9 March 2016)
PIN	0063CS3018		

EU TYPE EXAMINATION CERTIFICATE (GAR)

Kiwa hereby declares that the **Forced draught burners**, model(s):

Group 1,
Group 2,
Group 2C,
Group 3,
Group 4,
Group 4A,
Group 4B

Manufacturer

Oilon Oy
Metsa Pietilankatu 1
15801 Lahti
Finland

meet(s) the essential requirements as described in the
Regulation (EU) 2016/426 relating to appliances burning gaseous fuels.

Reference standard: EN 676:2020

This certificate is only valid in combination with the appendix to this certificate, where specific information and/or conditions are given.

Ron Scheepers
Managing director

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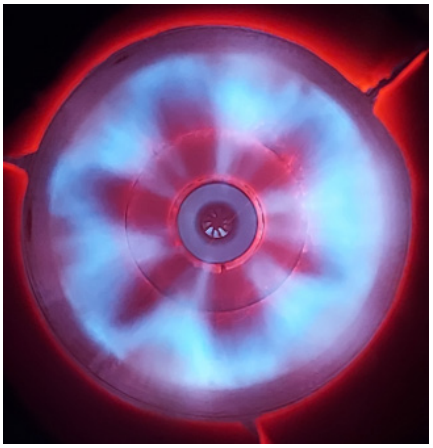
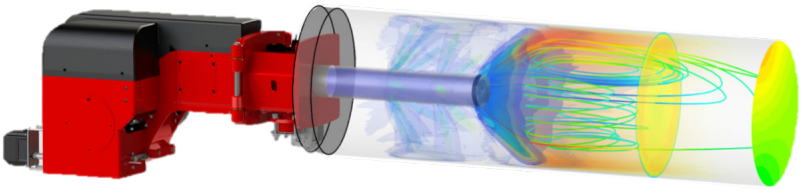
Wilmersdorf 50
P.O. Box 137
7300 AC APELDOORN
The Netherlands



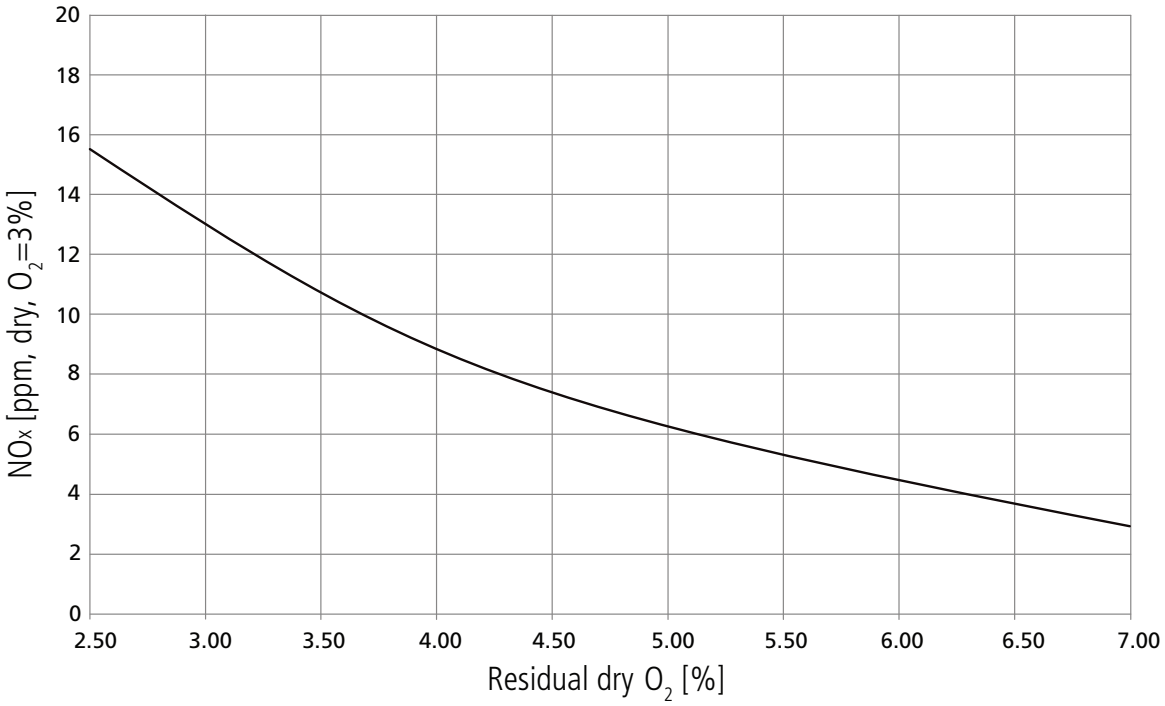


TECHNICAL DATA

BURNER	GP-130 M LN30	GP-250 M LN30	GP-320 M LN30	GP-600 M LN30	GP-600 M-II LN30
Capacity, kW [LHV]	260 - 915	495 - 1940	670 - 3130	1160 - 4850	1280 - 7020
Fan motor 3~ 400 V 50 Hz Output, kW Current, A Speed, rpm, max.*	 5.5 9.8 3520	 7.5 10.9 3520	 11 19.5 3800	 22 38 3520	 37 65 4100
Suitable furnace inner diameter, mm**	430 - 700	615 - 990	735 - 1300	915 - 1600	1100 - 1920
Recommended minimum furnace length, mm	2150	2500	3000	3500	4200

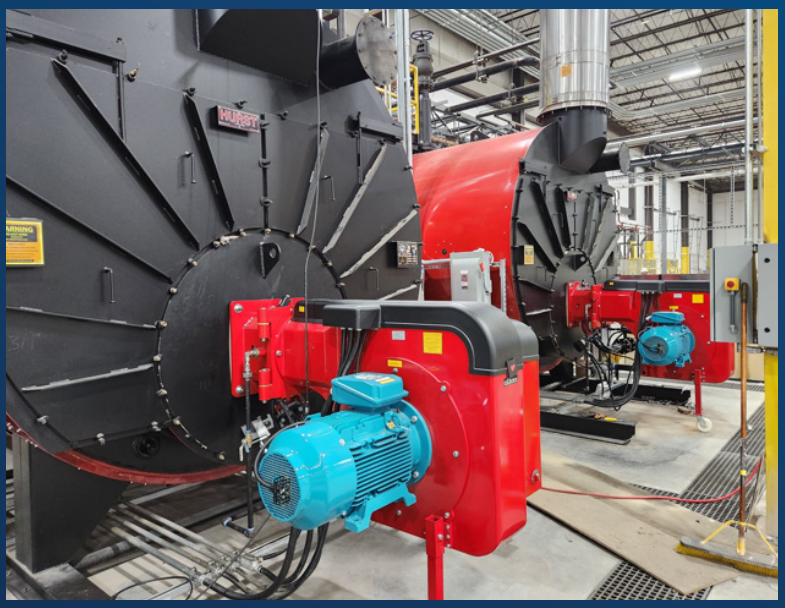
* Variable speed drive is mandatory.
** Elevated residual O2 is required, if furnace diameter is close to minimum.

NO_x EMISSION DIAGRAM



NO_x emissions and required residual O_2 will vary depending on furnace geometry and conditions.

Reference examples



2 x GP-600 M-II LN30, burner capacity 5 400 kW

3 x GP-250 M LN30, burner capacity 1 400 kW

GP-600 M LN30, burner capacity 3 800 kW

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