

BW1



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Date: 2<sup>nd</sup> October 2016

**Commissioning tests and performance guarantees.**

**Emissions Guarantee**

Values given in mg/Nm<sup>3</sup> on dry flue gas corrected to 3% of O<sub>2</sub>, with ± 7% tolerance on measurements.

NO<sub>x</sub> emissions expressed in equivalent NO<sub>2</sub>. Figures are based on combustion air at ambient temperature.

NATURAL GAS / LPG

NO <sub>x</sub>	≤ 120
CO	≤ 100
Dust	≤ 5
SO <sub>2</sub>	≤ 35

**Combustion Guarantee:**

Nett combustion efficiency 89%

**Commissioning combustion figures taken 24/07/2016:**

High Fire efficiency = 90.4%

Low Fire efficiency = 94.0%

High Fire NO<sub>x</sub> = 58ppm

High Fire NO = 56ppm

Mid Fire NO<sub>x</sub> = 46ppm

Mid Fire NO = 44ppm

Low fire NO<sub>x</sub> = 40ppm

Low Fire NO = 38ppm

BW2

Emissions Guarantee - Values given in mg/Nm<sup>3</sup> on dry flue gas corrected to 3% of O<sub>2</sub>, with + 7% tolerance on measurements. NO<sub>x</sub> emissions expressed in equivalent NO<sub>2</sub>. Figures are based on combustion air at ambient temperature.

NATURAL GAS / LPG	
NO <sub>x</sub>	≤120
CO	≤100
DUST	≤5
SO <sub>2</sub>	≤35

ENV REC 40 Combustion Figures Main Boiler														
Date	CO		CO <sub>2</sub>			O <sub>2</sub>			NO <sub>x</sub>			Efficiency		
	Fire		Fire			Fire			Fire			Fire		
	Low mg/Nm <sup>3</sup>	High mg/Nm <sup>3</sup>	Low %	High %	High %	Low %	High %	High %	Low PPM	High PPM	Low %	High %	Low %	High %
18.06.16	4	4	8.90%	10.10%	6.90%	3.70%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
24.08.16	0	1	8.00%	9.80%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
02.10.16	<100	<100	N/A	N/A	N/A	N/A	N/A	40	58	90.4%	94.0%	N/A	N/A	N/A
08.11.17	0	0	8.10%	9.67%	6.70%	3.97%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
31.03.18	0	14	9.80%	10.70%	4.20%	2.10%	39.00%	65.00%	69.00%	92.50%	90.20%	N/A	N/A	N/A
09.05.18	0	2	9.00%	10.40%	5.10%	2.70%	45.00%	69.00%	92.50%	90.20%	90.20%	N/A	N/A	N/A

Certificate