

# The Woodford Collection

## Woodford 5 - Performance Test Results.

*All efficiencies in table are Net values*

Parameter		Mean
Test Duration	h	<b>0.84</b>
Total Efficiency	%	<b>79.8</b>
Nominal heat output	kW	<b>4.9</b>
Mean CO <sub>2</sub> emission	%	<b>9.0</b>
Mean CO emission	%	<b>0.13</b>
Mean CO emission (at 13 % O <sub>2</sub> )	%	<b>0.11</b>
Mean flue gas temperature	°C	<b>255</b>

Mean C <sub>n</sub> H <sub>m</sub> (at 13 % O <sub>2</sub> )	Nmg/m <sup>3</sup>	<b>86</b>
Mean NO <sub>x</sub> (at 13 % O <sub>2</sub> )	Nmg/m <sup>3</sup>	<b>95</b>
DIN Plus dust (at 13 % O <sub>2</sub> )	Nmg/m <sup>3</sup>	<b>27</b>

Parameter		Mean
Test Duration	h	<b>1.06</b>
Total Efficiency	%	<b>82.3</b>
Nominal heat output	kW	<b>4.9</b>
Mean CO <sub>2</sub> emission	%	<b>10.9</b>
Mean CO emission	%	<b>0.15</b>
Mean CO emission (at 13 % O <sub>2</sub> )	%	<b>0.10</b>
Mean flue gas temperature	°C	<b>254</b>

Mean C <sub>n</sub> H <sub>m</sub> (at 13 % O <sub>2</sub> )	Nmg/m <sup>3</sup>	<b>26</b>
Mean NO <sub>x</sub> (at 13 % O <sub>2</sub> )	Nmg/m <sup>3</sup>	<b>94</b>
DIN Plus dust (at 13 % O <sub>2</sub> )	Nmg/m <sup>3</sup>	<b>10</b>



## Temperature Safety Tests: Distance to Combustible Materials.

Safety Test Configuration		DuraFlue twin wall + HS	Single wall flue + HS	Single wall flue
Back Wall	mm	150	350	700
Side Wall	mm	500	525	550
Hearth – under stove	°C	44	52	51
Hearth – 225mm in front	°C	92	100	102
Hearth – 250mm in front	°C	101	99	98
Hearth – 300mm in front	°C	111	105	98