

The effectiveness of the Fitch unit in improving fuel economy was evaluated at a boiler thermal test centre in China . Fuel savings in excess of 10% were realized and the amount of air required by the combustion chamber reduced.

Boiler type: WNS2-1.0-Y				
	Flow rate of exhaust gas Nm ³ /h	Nozzle Size	Fuel consumed	Steam out flow rate
Baseline	2,343.17	14	132 t/h	142.9
With FFC	2,005.35	14	118 t/h	147.1
Change	13.08% ↓	0	11% ↓	3% ↑

By the Thermal Test Center - Zhejiang China

The experiment were carried out according to GB/T1606003.

An evaluation test carried out on an industrial Natural Gas Boiler by CNG Corp in March 2004 demonstrated the following:

Industrial Boiler – BC – March 2004

CNG	O ₂ %	CO ppm	CO ₂ %	Exh. Temp.
Baseline	17.9	2	1.9	55 c
With Fitch	19.4	1	0.6	50 c
Change	8.38% ↑	50% ↓	68.42% ↓	9.09% ↓

Flue Gas Composition - British gas Combustion Engineering & Gas

Methane	92.21%		Nitrogen	2.72%
Ethane	3.6%		Carbon Dioxide	0.15%
Propane	0.9%		Butanes	0.25%
Pentanes	0.07%		Higher Hydrocarbons	0.1%