

The Fitch Fuel Catalyst is an alloy of metals produced using a patented, proprietary process that improves the combustibility of any hydrocarbon-based fuel. It is designed for oil burner applications, to improve both the economy and overall performance of your heating system.

The Fitch Fuel Catalyst is a true catalyst. It reacts with the fuel prior to burning, resulting in a significant improvement in combustion.

Benefits:

- Improved fuel economy  
(Guaranteed minimum 10% residential)  
(Guaranteed minimum 5% commercial)
- Quieter operation
- Decreased emissions

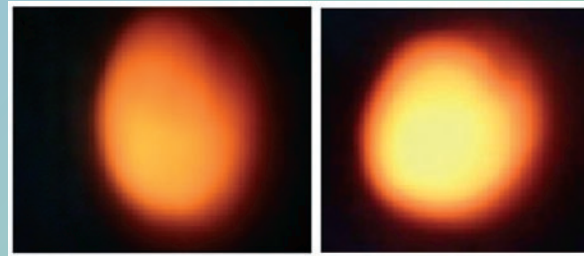
The Fitch Fuel Catalyst is an American-made product with a 15 year history of successful performance on gasoline and diesel engines of all sizes, as well as on residential and commercial oil burners.

The product is UL listed, EPA certified, CARB approved for sale and use in California and has been tested extensively by a large number of EPA recognized and independent laboratories.

It has been approved and is being purchased for use by the US Armed Forces on a wide variety of applications.



Typical Residential Installation



Before Fitch Installation

After Fitch Installation



Before Fitch Installation

Post Fitch Installation 48 hours

# The Fitch Fuel Catalyst



For Residential and Commercial Oil Burners

U.S. Patent # 5,580,359

UL Listing 37YC

Category # MH45234

EPA Listed



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## How It Works

After leaving the refinery, all fuels begin to degrade in quality. They are affected by oxygen, ozone and various microorganisms including yeast, mold and bacteria. The longer any fuel is stored before using, the more it degrades. When the fuel goes through the Fitch Fuel Catalyst, it is re-refined and its original quality restored, thus enabling it to burn more completely.

The direct result of this increased combustion efficiency is:

- More heat output (BTU's) with less fuel
- Emissions reductions of up to 98%
- Elimination of soot and carbon buildup

Benefits

- Improved fuel economy
- Quieter operation
- Reduced maintenance
- Decreased emissions



## Immediate Results

The day the licensed oil burner technician installs your Fitch Fuel Catalyst you will know your savings percentage. This is because he will follow our company's installation protocol which requires three combustion efficiency tests on your oil burner: one test before the product is installed, one after installation, and one after changes are made to the nozzle.

The technician will compare the stack temperatures from the before and after testing. Typically these temperatures will rise anywhere from 25 to 70 degrees after running 15 minutes with the Fitch unit. The technician will then downsize the nozzle in your oil burner. Nozzles are rated in gallons per hour (gph). Downsizing will bring the stack temperatures back to the original level. This means that you are getting the same heat from less fuel. For example, if the nozzle is reduced from a 1.0 gph to a .80 gph you will be saving 20%.

Further savings will come from the reduction of soot and carbon buildup, which means that heat transfer will be maximized and the efficiency of the burner will be maintained longer.

## Savings

We guarantee minimum savings of 10% on any residential oil burner and 5% on any commercial or industrial oil burner (5 gph and higher). If you are not saving at least that amount you may return the unit for a complete refund up to one year after installation.

Fitch Fuel Catalyst units are available in the following stock sizes, rated in gallons per hour: 5, 10, 20, 25, 35, 50 and 75 gph. Custom units for larger industrial applications may be special ordered.

## NYC Housing Authority Boiler Test Observations and Conclusions

The New York City Housing authority recently conducted a year long test of the Fitch Fuel Catalyst on a large boiler burning 50 gallons per hour.

Mike Beatty from ACS-NY reported, "data indicate the boilers are running more efficiently and with lower emissions than before the Fitch Fuel Catalyst installation. In addition, the photographs of the tubes and tube sheets clearly indicate a significant carbon reduction."

The test report states that "carbon deposits were reduced by as much as 70%, which facilitates better heat transfer, efficiency and reduced maintenance. Emissions reductions as measured also indicate an overall improvement in combustion."

"A net reduction in fuel usage on the order of five percent and perhaps higher was recorded with the Fitch Fuel Catalyst device installed."

The report further stated that "fuel savings of five percent or higher can produce meaningful fuel cost reductions" and that "savings in maintenance will also be considerable. The Fitch Fuel Catalyst offers very attractive returns on investment."

"Use of the Fitch Fuel Catalyst is consistent with policies to reduce pollution, fuel costs and maintenance throughout the housing authority."

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