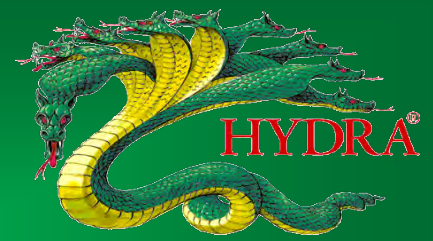


# HYDRA



# PIC-24

Petrol Power Blast  
Petrol Fuel Additive



# HYDRA®

## Features & Advantages

- ◆ Improves fuel economy up to 10%.
- ◆ Cleans & protects fuel injectors.
- ◆ Reduces petrol smoke, odour and exhaust soot.
- ◆ Prevents water corrosion damage to injectors and metal components in fuel system.
- ◆ Maximised power & acceleration.
- ◆ Contains heavy duty detergents.
- ◆ Which boosts fuel stability.
- ◆ Cleans & protects against formation of gums.
- ◆ Reduces all harmful emissions including:
  - ◆ Reduces CO<sub>2</sub>, NO<sub>x</sub>, THC, NMHC, CO, PM.
  - ◆ Dose rate 1ml treats litre petrol.

## The Problem

In modern petrol engines the injector orifice size are much smaller and manufactured to tighter tolerances than in the past.

Deposits start building up in fuel injectors after only 2,000 miles from new, these interfere with the correct spray pattern, resulting in fuel wastage and higher emissions due to unburnt fuel leaving the engine. Petrol fuels with octane numbers lower than minimum engine requirements can cause rough engine operation. They are more difficult to start, especially in cold weather.

Also petrol fuels with Octane numbers lower than minimum engine requirements can cause rough engine operation. They are more difficult to start, especially in cold weather.

Many low Octane fuels also increase engine deposits resulting in more smoke, increased exhaust emissions and greater engine wear.

Petrol engines can produce black soot or more specifically particulate matter from their exhaust.



The black smoke consists of carbon compounds that have not burned because of local low temperatures when the fuel is not fully atomised.

These local low temperatures occur at the cylinder walls, and at the surface of large droplets of fuel. At these areas where it is relatively cold, the mixture is rich (contrary to the overall mixture which is lean).

The rich mixture has less air to burn and some of the fuel turns into a carbon deposit.

Hydra PIC-24 protects your valuable fuel systems, prevents machine malfunction, and engine failures. Using fuels which meet engine operating requirements will improve cold starting, reduce smoke during start-up, improve fuel economy, reduce exhaust emissions, improve engine durability, reduce noise and vibration.

By reducing soot formation Hydra Petrol Power Blast also helps keep the valves and pistons clean and free from carbon.



Consumption of this fuel leads to harmful emissions such as CO<sub>2</sub>, NO<sub>x</sub>. Within the European Union, road transport is responsible for about 20% of all CO<sub>2</sub> emissions, with passenger cars and vans contributing about 15%.

Emissions of nitrogen oxides (NO<sub>x</sub>), total hydrocarbon (THC), non-methane hydrocarbons (NMHC), carbon monoxide (CO) and particulate matter (PM) are regulated for most vehicle types. Modern engines are much better but still not perfect.

All our products are manufactured to the highest international specifications at our UK plant. Which is accredited to ISO 9001:2008, ISO 14001:2004 and OHSAS 18001:2007 this ensures that the European EN 228:2008/2012 fuel quality standard is always adhered to.

## Description

### POWERFUL DETERGENTS

The powerful detergents in Hydra PIC-24 prevent the formation of and remove existing deposits caused by carbon, fuel decomposition and unburnt fuel. These deposits interfere with the performance of your engine. A deposits are already effecting your vehicles efficiency and fuel economy. Even though your exhaust is not smoking these.



### OPTIMAL INJECTOR SPRAY PATTERN

Modern high pressure direct injection engines use precise fuel metering through narrow shaped spray channels.

Injector deposits mean uneven fuel flow. 100% clean injectors give optimal fuel spray pattern, this results in a very finely atomised spray.



This means that each finely dispersed particle of fuel is surrounded by many molecules of air (20% oxygen) ensuring a more complete burn.

Which in turn gives you much better fuel economy, as all of the fuel is burnt, reducing emissions and improving engine durability.

By reducing soot formation Hydra Petrol Power Blast also helps keep the fuel particle filters and exhaust gas return valves clean.

As supplied in Europe, where thousands of companies are using it daily. Fuel treated with this package still meets (**EN 590:2009**) the EU specification for fuel, therefore your vehicle warranty is not affected as the fuel is still classed as standard petrol fuel.



### INCREASED LUBRICITY

Hydra PIC-24 also contains lubricity improvers that decrease fuel pump wear issues, they work in very cold climates and are low in sulphur.

Test results give HFRR Wear Profile of less than 300. These lubricants also reduce the friction in the cylinder thereby improving the coefficient of friction helping fuel economy.

Hydra Petrol Power Blast protects your valuable fuel systems, prevents engine malfunction, and engine failures.

All our products are manufactured to the highest international specifications at our UK plant.

Which is accredited to ISO 9001:2008, ISO 14001:2004 and ISO 45001:2007 this ensures that the European EN 228:2008/2012 fuel quality standard is always adhered to.

1ml Hydra PIC-24 treats 1 litre of petrol, simply add to fuel when filling up (can be added before or after refueling).

Breakeven point on fuel savings against cost of product is approximately 2%.

When your fuel consumption is reduced by more than 2% the product is not an additional cost, but is saving ££££'s every week.



## Customer Reviews

### My MPG Has Improved Tremendously

★★★★★ *By Steve*

This stuff is a miracle worker for your vehicle. I was getting horrible mpg, and my vehicle was becoming sluggish on take offs.

I decided to buy this product because it was well priced, and the reviews were good.

After giving it some time to run through the car's system and clean it, I decided to hit the throttle one day and see what happened.

I left a large black cloud of carbon behind me from where the Petrol Power Blast had knocked loose all of the carbon build-up.

My car now runs like new, and my mpg has improved tremendously. It truly is a miracle product.

### Highly Recommended

★★★★★ *By John*

I have used fuel system cleaners of every variety. This is hands down the best I have ever used, and even after regularly using other products, I noticed restored power in a turbo-charged Golf that I hadn't felt in years.

### Fantastic Product!

★★★★★ *By Matt*

I have Fletcher speed boat with mercury 75 HP engine and since adding this additive, my engine starts much easier, definitely has more power and using a lot less fuel.

### Highly Recommended!

★★★★★ *By Bill*

I use regularly for Clarke G720 petrol generator, never ever had any problems and save me fuel. Highly recommended!

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