

What They Are Saying...

Kinser Air Filters are a simple, lightweight unit that are easy to clean. They're also the only filters that fit under my hood!

J.J. Yeley #76

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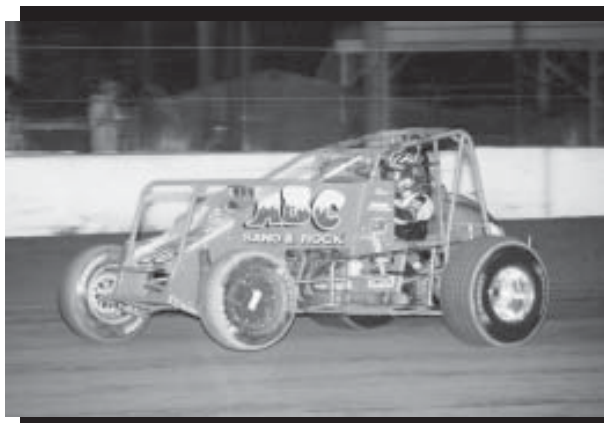
Using Kinser Air Filters enables me to richen up my engines and gives me more throttle response. I ran five races without having to clean them! They're easy to maintain too!

Dickie Gaines #70

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Kinser Air Filters are so much easier on the maintenance. We run 80+ races and these filters are a big reason why we're running up front.

Travis Rilat #1A



With a list of satisfied customers that includes the likes of J.J. Yeley, Karl Kinser, Travis Rilat, Kenny Adams and many more, you know that this filter has a leg up on the competition.

Applications for every kind of racing including:

- Sprint Cars
- Silver Crown Cars
- Midgets
- Stock Cars
- Mini-Sprints
- Go-Karts
- TQs
- Modifieds
- Modified Midgets
- Motorcycles

and many more, including your custom applications.

For the past twenty years Kinser Air Filters has been busy designing, producing and selling air cleaners. Additionally, Kinser Air Filters is constantly researching and improving upon their filters to ensure that their customers are provided the ultimate in performance. Make the move to Kinser Air Filters to improve the horsepower, throttle response and engine life of your performance engine.

To put Kinser Air Filters to work for you visit your local dealer:

(812) 876.2869

www.kinserairfilters.com
roger@kinserairfilters.com

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The Kinser Filter Story

- **Horsepower**
- **Throttle Response**
- **Engine life**

The Importance of Air

Uncovering the reasons behind the success of the Kinser Air Filter requires an understanding of the importance of supplying clean air to a racing engine. Probably the best way to illustrate this is to take a look at one of the most impressive engines in existence—the human body. Just like today's high performance engines the body requires air to function. Depending on the level of activity, the body requires either more or less air. Just think about the difference in your breathing patterns as you perform different tasks—say walking down the hall and sprinting a mile. Now let's complicate matters by requiring that you perform these same tasks while breathing through a straw. While walking down the hall is probably not a big deal, most of us would collapse if we had to sprint a mile while only breathing through a straw. Although probably oversimplified, this example illustrates what happens to your high performance engine when you use a dirty or inadequate air filtering system.

The Kinser Air Filter System

Kinser Air Filter Systems consist of the following components:

Base Plate: The base plate is used to mount the system to the carburetor or fuel injection system. The base plate is available in fiberglass, carbon fiber, or Lexan. (See your application for availability.) The base plate includes rubber seals to ensure a tight fit.

Cage- The cage is an aluminum dome that gives the air filter its shape and allows air to flow in from all directions.

Filter- The filter element is made of open cell filter foam. The filter element fits around the cage and base plate. When soaked with filter oil the element provides the ultimate in dirt and dust retention and can be easily cleaned in soap and water.

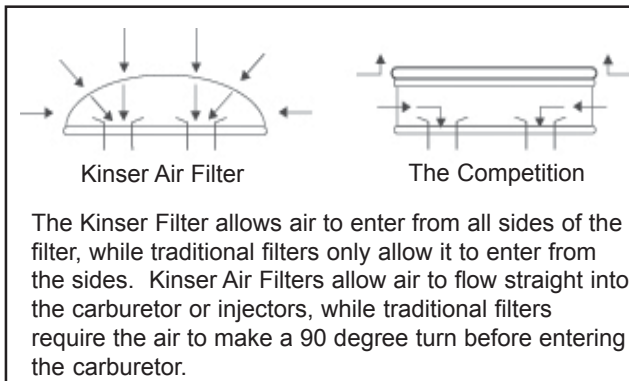
Qualifying Filter- The qualifying filter is an option for your Kinser Air Filter System. It is also made of open cell filter foam, but is less dense than the standard filter. The qualifying filter does not get oiled. This filter is sometimes used by itself during qualifying or can even be placed over the standard filter element for dusty conditions.

The Outerwear- The outerwear is a nylon cover for the filter system that provides additional filtering and protection for the filter foam.

The Benefits

1 *Kinser Air Filters deliver improved horsepower and throttle response through increased airflow.*

The technology and design used to produce the Kinser Air Filters means increased airflow to the engine. Kinser's use of open cell foam allows much more air through the filtering element than traditional paper/gauze or cartridge type filters. Secondly the domed design of the Kinser Air Filter means air can enter through all surfaces of the filter. Additionally since there are no sharp or hard edges, air sticks to the surface of the Kinser Air Filter rather than deflecting or becoming turbulent.



The Kinser Filter allows air to enter from all sides of the filter, while traditional filters only allow it to enter from the sides. Kinser Air Filters allow air to flow straight into the carburetor or injectors, while traditional filters require the air to make a 90 degree turn before entering the carburetor.

2 *Kinser Air Filters deliver improved performance and engine life through superior retention of dirt and dust.*

Kinser Air Filters' use of open cell foam technology allows great airflow without sacrificing dust retention capabilities. Open cell filter foam is a honeycomb of tiny interlocking cells of the same sizes. These cells maximize airflow, while making it tough for dirt to pass, since there are no straight through passageways. The addition of foam filter oil increases the foams ability to retain dirt and dust particles. As the foam cells block the dust particles, the filter oil traps these particles, much like flypaper. Since these cells run through the depth of the foam, dust and dirt is trapped throughout the filter rather than just on the surface—where it can restrict airflow.

Conversely paper and gauze type filters work on a "Go-No Go" principle. Paper filters are essentially flat surfaces with openings that allow air to pass through. Dirt smaller than these openings passes through, while dirt larger than the openings stick to the surface, clogging the filter and restricting the airflow. The result is continuously decreasing air flow.

3 *Kinser Air Filters help you shave pounds off the weight of your car through the use of lightweight materials and reduced air pressure.*

All of the materials used in the production of Kinser Air Filters are lightweight. One need only pick-up a standard filter system and the Kinser Air Filter system to realize the gain. For further weight savings, Kinser offers optional carbon fiber base plates. Kinser Filter Systems are also able to minimize additional weight that is generated during engine operation. During recent testing, it was discovered that a small block V8 engine at 8,000 RPMs, using a traditional air cleaner system with a paper filter, generates 21lbs of air resistance on the lid of the air cleaner. A cartridge type filter at the same RPMs generated 14lbs of air resistance. The Kinser Filter under the same conditions only generated a little over 2lbs.



4 *Kinser Filters offer the flexibility to easily meet changing conditions using any one or multiple combinations of its filtering elements.*

Kinser's filtering element is made up of three individual elements; the primary filter, the qualifying filter and the outerwear. Used in individually or in combination, these elements provide the flexibility to meet changing conditions. For example, many drivers choose to use just the qualifying filter when qualifying. Since there is only one car on the track and peak performance is the goal, the qualifying filter provides adequate protection against dirt and debris while maximizing airflow. Conversely in dusty/dirty conditions or for longer races, most drivers use all three elements to provide strong airflow while providing increased protection against dirt and debris.



5 *Kinser Air Filter are easier to maintain resulting in a true cost savings since less time will be spent cleaning and replacing filters.*

Washing the Kinser Filter elements in soap in water results in the virtually complete release of dirt and dust particles. After reapplying filter oil to the primary filter element, the system has been restored to like new condition and is ready for use. Traditional paper and gauze type filters are much tougher to clean and can never be restored to maximum efficiency with cleaning. Paper and gauze filters generally never fully release the dirt and dust particles that are embedded in them. Since paper is weak and swells when it comes into contact with moisture, in many cases, cleaning is almost impossible.