

**DIESELTECH**  
**TESTED**  
NO. 68835



## aFe POWER DFS780 Diesel Fuel System

Big news is heading our way! advanced FLOW engineering (aFe) has been working on its DFS780 Diesel Fuel System for nearly four years and it's now available, which means it's also available for us to test. Note the Cummins system is available now with the Duramax version close to being released to the public and plans for Power Strokes are in the works as well. Simply put, aFe has all diesel enthusiasts—regardless of their emblem—buzzing with anticipation.



### How It Works

The diesel fuel in your truck contains contaminants, water and air/vapor, which reduce power and can damage your injectors. The DFS780 is a patent-pending system capable of removing power robbing entrained air, water and contaminants. It also boosts fuel pressure, ensuring constant availability for the

high pressure transfer pump, improving throttle response and horsepower at all RPMs.

Each DFS780 system includes a mounting bracket that is specific to the exact year and model of your truck, so you don't have to worry about it being one of those universal type products which typically translates to problems with the installation. aFe is focusing on not only providing a quality fuel system, but also wants installation to be as simple as possible.

### aFe Tour

We traveled to southern California to see first-hand this new fuel system that was installed on a 2009 Chevy LMM Duramax. Before getting to our test, we first took a tour of the aFe campus with Marketing Manager Josh Biggers. Those who think this is just an intake company would be pleasantly surprised at all this California-based company has to offer. There have to be well over 3,000 SKUs at aFe headquarters that include intercoolers, turbos, exhaust systems and of course intakes and a whole lot more.

### Dependability

Following the tour Josh introduced me to Special Projects Director Ryan Takashima who is one of the leads on this project and was anxious to tell me all



about the DFS780.

"We started with the motor because when doing our research, the biggest problem we heard from consumers with other systems is motor failure," explained Ryan. "We realize we're late to the market and not the first, so we have the advantage of looking at our competitors and manufacturing a better system. The DFS780 was designed from the beginning to eliminate weaknesses found in other fuel transfer systems."

The Italian marine-grade motor with Viton seals was just the beginning; aFe also created a system that is mounted vertically and the entire system is plug-and-play (no cutting or modifications to the fuel lines). Plus the supplied wiring harness utilizes 10-gauge wire with Deutsch connectors.

"There's no cutting the fuel lines and we also don't have quarter tank issues like our competitors so we've eliminated the fear of never letting your fuel get below a certain level," added Ryan. "And because it's all plug-and-play, it's revers-



ible. You can put the truck back to stock and remove our system if you decide to sell your truck."

### Seeing Clearly

Other unique features include a sight glass so you can visually check fuel conditions, plus aFe was able to retain the stock fuel filter so you have double filtration and you also still use the stock fuel heater.

### DMAX Testing

On our test with the LMM Duramax, the truck was rigged with a toggle switch inside the cab so you can physically feel

the test ride—who, along with Director of Engineering Ken Zellet, helped develop this project—that they should make the toggle switch an option for owners so they can impress their friends and show them what a difference it makes.

### Packed With Info

The all-inclusive kit comes with the mounting bracket specific to your truck, along with a USB thumb drive that includes installation videos, a digital aFe catalog, instructions and a lot of other useful information.

Again, because this is not a universal, one-unit-fits-all type of system, aFe is tak-

ing the time to develop specific kits for the different models of trucks. Currently the DFS780 Diesel Fuel System is available for all Cummins trucks from 2005 to 2010 with newer Ram trucks to follow soon along with the release of systems for 2001 to 2010 Duramax trucks with Power Strokes to follow shortly.

I noticed the biggest difference in power when I got on the interstate and really put my foot into it. In fact I joked with R&D Shop Supervisor Danny Kempf on

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Installation	18/20
Function	49/50
Durability	9/10
Design	10/10
Price	8/10

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The take away on the new DFS780 is that aFe has released a new and improved diesel fuel system that has been designed as an improvement over some of the issues the competitors with existing products currently have. With an easier install at around two hours and improved features, it looks like aFe is already off to a great start. The system starts at around \$850 with more versions to be released soon. —Bradly L. Kay, OT Editor 8T

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