

FASSRIDE.COM
THE FUTURE OF FUEL

REMOVES ALL TYPES OF CONTAMINANTS
& SAVES YOUR INJECTORS

CONSISTENT ENGINE PERFORMANCE-HOT VS. COLD FUEL
& FULL VS. QUARTER TANK

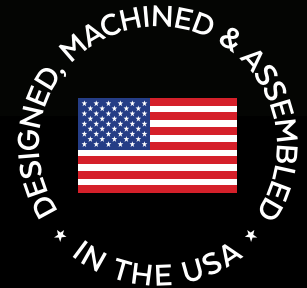
INCREASE HORSEPOWER & TORQUE

LOWER MAINTENANCE COST & INCREASED FUEL MILEAGE

EXCELLENT COLD WEATHER CAPABILITIES

DEALERS WORLDWIDE

FASS
Diesel Fuel Systems



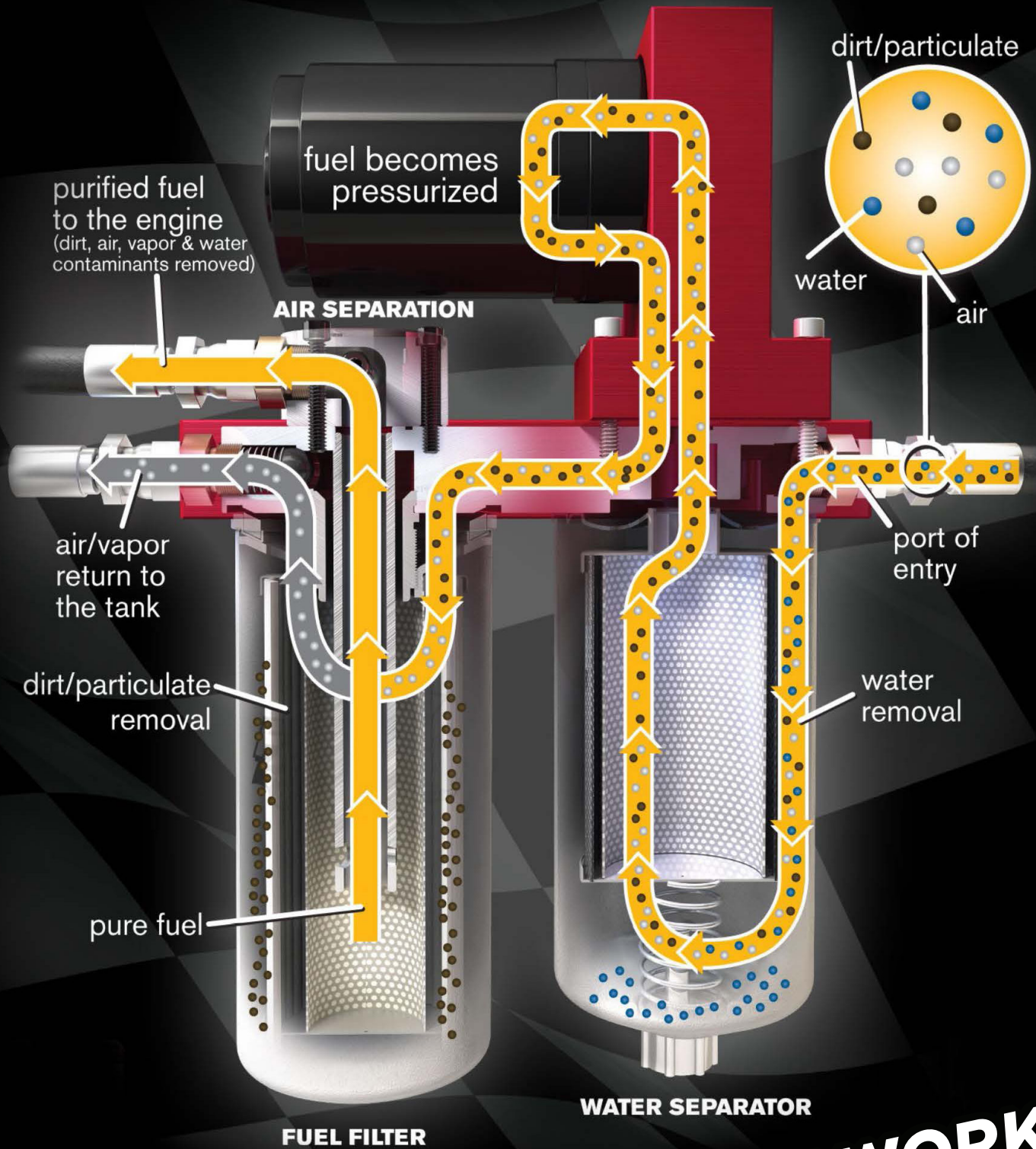
**4 YEAR
WARRANTY**
AVAILABLE



www.fassride.com

(866) 769.3747

FASS Diesel Fuel Systems



HOW IT WORKS

FASS Diesel Fuel Systems

BENEFITS OF A FASS FUEL SYSTEM

1

MAINTENANCE (FILTERS & LUBRICITY)

Contaminants found in diesel fuel (moisture, microorganisms, air/vapor and dirt) left untreated can result in fuel system failure.

The FASS Titanium uses a 10 micron water separator and 3 micron fuel filter to remove contaminants from entering your injection system.

The FASS Titanium filters will increase mileage between filter changes and reduce maintenance cost.

The FASS Titanium, with our Exclusive Mass Flow Return built in, is also a fuel polishing unit. The longer your truck is running with the FASS the cleaner your fuel will be.

Increases lubricity by at least 10%.

The added Filtration in combination with the patented (FASS) Fuel Air Separation System will reduce wear of expensive fuel injection parts and keep your vehicle on the road longer.

2

POWER (AIR SEPARATION/HIGH FLOW LIFT PUMP)

A diesel engine needs two elements in order to make horse power, fuel and air flow.

(NOT TO BE CONFUSED WITH AIR IN FUEL)

The high output pump on the FASS Titanium will ensure enough fuel flow, never starving your diesel engine while keeping heat sensitive components cool.

Our air separation process allows the system to separate air that would normally enter your fuel injectors. With the FASS system we are sending virtually pure fuel with increased lubricity to the engine for a smoother idle, increased throttle response and horsepower.

The Mass Flow Return then sends the air saturated fuel back to the tank for further processing.

3

FUEL MILEAGE (ENTIRE PUMP)

The FASS Titanium is your first step to \$mart driving.

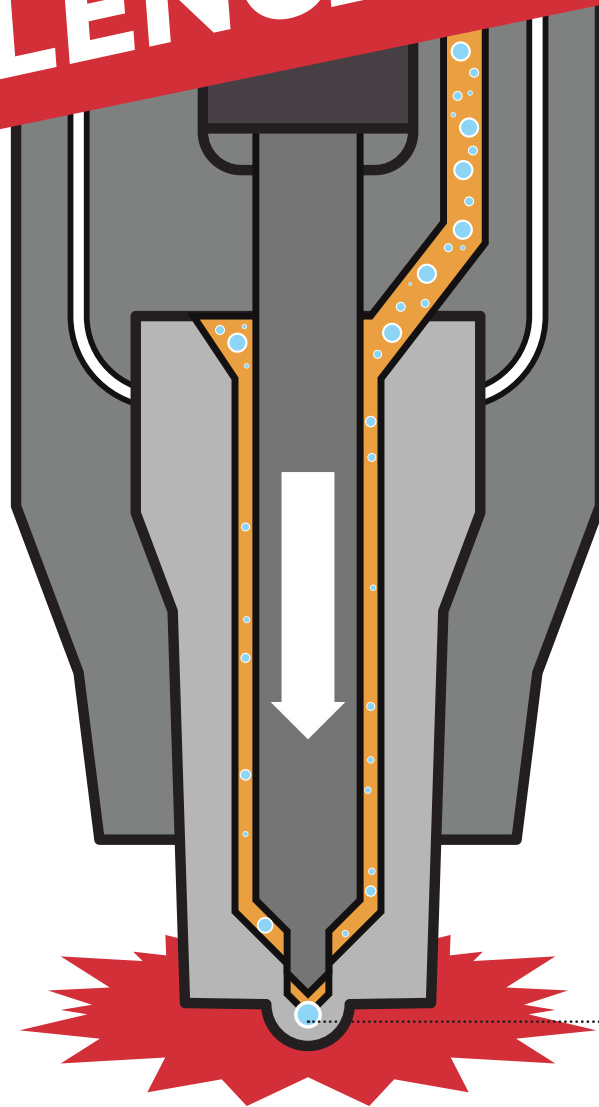
Filtration = FASS Fuel Systems are designed to eliminate air, vapor debris & water trapped in diesel fuel.

Lift Pump = Supplies positive pressure to injector pumps

Air Separation = Gives test cell results in real world applications







ENGINEERED EXCELLENCE



An air bubble in the tip provides no fluid damping, allowing the plunger to impact the tip with up to 50% greater force, resulting in damage to the tip and injector.*

*According to Caterpillar

-  Acts as **shock absorber**
-  **Prevents** the cutting torch effect
-  Increases **Lubricity**
-  Prevents ***Galling Effect** by increasing lubrication

*Galling occurs frequently whenever metal surfaces are in contact, sliding against each other, especially with poor lubrication.

FAQ's

LET US ANSWER THESE QUESTIONS FOR YOU

Does FASS void Manufacturer Warranties?

No, FASS does not void manufacturer warranties because our products meet their filter specifications.

Do the FASS kits include everything needed to install them?

What about Class 8 kits?

The majority of our kits are vehicle specific and come with all parts needed for installation. The Class 8 kits require a fuel return line kit to complete installation (visit fassride.com to see complete line of fuel line kits).

I have purchased one of your units, how do I receive the extended warranty?

After purchasing from a registered or authorized FASS dealer it's essential to complete the 1st page (front and back) of the installation manual within 30 days and mail to address below with a copy of your receipt or visit fassride.com to register online.

Can I install the FASS system myself or does it need to be installed by an authorized FASS installer?

FASS is continuously updating and changing our units to make them easier to install for the end user. As long as you take your time, read and follow the provided installation manual, installs can be completed by the end user. If you have any questions, please don't hesitate to call our staff of knowledgeable customer service representatives.

Will my fuel mileage increase?

After the installation of the Titanium series unit, our customers have reported 2-3 mpg increases for pickups and .4 mpg increases for Class 8. While this is an average, FASS does not guarantee fuel mileage increases.

Am I required to use FASS filters on the Titanium series unit?

FASS realizes that in emergency situations you may not be able to find FASS filters in time. For your convenience, at fassride.com, we have provided a list of cross reference filters available at auto parts stores and full service truck stops.

FASS[®] Diesel Fuel Systems

US

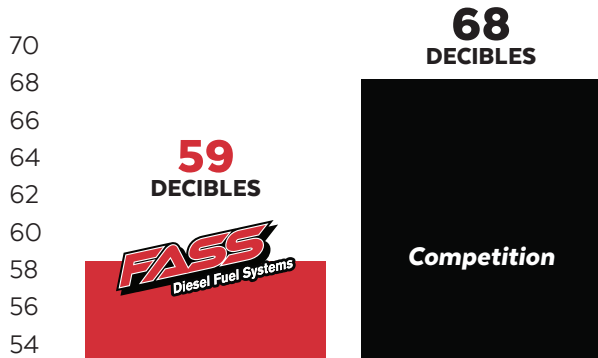
vs

THEM

Over 30 active filter cross references	You have to use their filters or search forums for other filters people may have found
Under original ownership	???
Radius Cuts	90 degree sharp angles & "T" junctions that create aeration
Ports for electric and coolant heaters	No options for heating fuel in extreme cold temperatures
1/2 inch ports	3/8 inch ports
Our 95gph outflows their 165	Part number is just a part number and not actual flow numbers.
We rate our systems on diesel fuel and applications pressures	Runs pump on mineral spirits at ZERO psi for testing
 American built motors	Chinese motors 
Steel no drill brackets (tucks up away from road debris)	Plastic clamp brackets (subjects pump to road debris)
Mechanical history in tech department	???
Low noise level while flowing more fuel	Loud and flows less fuel
Less than 2% failure rate	Read the forums...
Reports of a million and counting miles on FASS Motor	Who knows....

FASS Diesel Fuel Systems

FASS Fuel Systems are designed to eliminate Air & Vapor trapped in diesel fuel. When Air & Vapor are eliminated and replaced with pure fuel we are able to provide your diesel engine with the cleanest burning fuel possible. Delivering purified fuel without Air & Vapor increases lubricity which provides extended injector life and maximizes the performance of your engine! Separating FASS from all other competitors are 3 Exclusive Features!



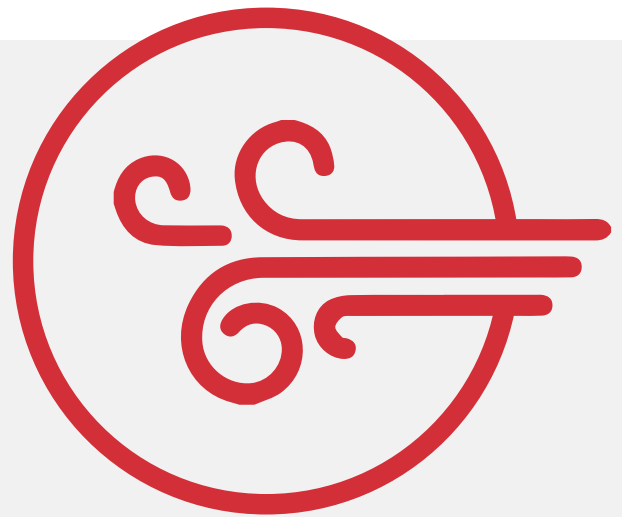
Noise Levels

FST Technology (FASS Silencing Technology)

For every decrease of 3 decibels in sound pressure, it is roughly half the audible sound. With FST Technology, (flow rate being the same) FASS has developed the quietest Fuel Air Separation Systems in the world.

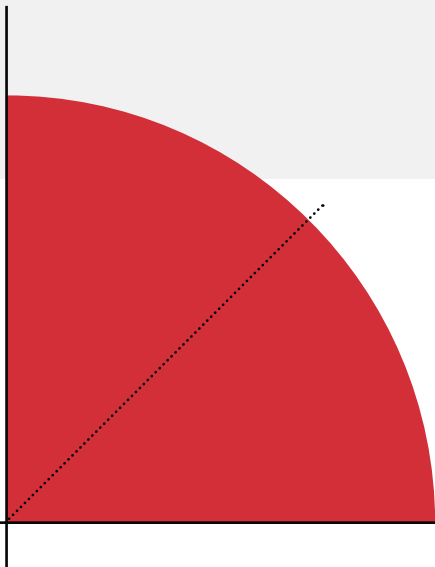
MFR (Mass Flow Return)

FASS Mass Flow Return continually “Polishes” the fuel at the rated gph of the pump. The MFR removes all types of fuel contaminants (Dirt, Air, Vapor & Water) during each pass through the FASS. Similar pumps on the market only return “some” of the fuel which leaves behind excess air and debris which can cause harm to the injectors.



PRC (Performance Radius Cuts)

FASS Performance Radius Cuts allows fuel to flow smooth and freely to the injectors without any restriction, just like a “Mandrel” bend in an exhaust system. PRC’s eliminate the risk of air being re-introduced into the fuel.





TITANIUM SERIES

**LIFETIME WARRANTY AVAILABLE (PICK UP)
FOUR YEAR WARRANTY AVAILABLE (CLASS 8 / SEMI)**

The Titanium Series is our most versatile FASS System. It is the #1 preferred pump selected for use by Pickup owners as well as the professional Class 8 operator. The Steel Bracket design provides superior stability while allowing you to tuck the pump closer to the frame for better clearance and less visibility. This pump has the capability to flow up to 260 gallons per hour, boasts large “NON PROPRIETARY” filters for less maintenance and value-added road time and has all half inch ports with half inch fuel line. Accessory ports assist cold weather operations by allowing installation of engine coolant lines and heater probes. Ports also permit custom applications for those who require flow rates above 260 gallons per hour. The Titanium Series is the Premier pump on the FASS line.



Flow Rate @ 20 PSI



**138
GALLONS
PER HOUR**

Competition

**102
GALLONS
PER HOUR**

Titanium Series Benefits:

- Increased Lubricity
- Increased Injector Life
- Increased Fuel Mileage
*(est. 2-3mpg for Pickups but not guaranteed)
(.4 mpg for Class 8 but not guaranteed)*
- Increased Throttle Response
- Smoother & Quieter Idle
- Easier Start Ups
- Reduced Maintenance Costs
- Consistent Engine Performance
- Reduces “Hot Fuel” Effects
- Reduced Regenerations

Titanium Series Features:

- FASS Fuel Systems are manufactured from 6061 T-6 Aircraft Quality Aluminum
- Removes Air / Vapor / Dirt / Debris
- Flows up to 500 GPH
- All 1/2” ports with 1/2” fuel lines (5/8” fuel lines on large flow systems)
- Large 3 micron Fuel Filter & 10 micron Water Separator
- Multiple Filter Cross References
- Preset pressure for your application from 10-55 PSI
- FASS Silencing Technology
- MASS Flow Return
- Performance Radius Cuts

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FASS Diesel Fuel Systems **ACCESSORIES**



SFB-1001

Reduce installation time on our Titanium Series diesel fuel pump and eliminate the need to drill the frame with our Semi Frame Bracket, SFB-1001. The bolt on design fits securely around the frame and adjusts to fit frame heights from 10"-11 3/4".



HK-1001

FASS Heater Kit is for those customers in extremely cold climates. While FASS Fuel Pumps are built to start and operate in temperatures well below freezing, the FASS Heater Kit gives the user the ability to heat their FASS System and help aid starting in cold climates. The kit will begin warming the fuel once the key is in the "ON" position and will automatically shut off once fuel is at its optimum temperature.



33283 (Heater Element)

Replacement heater element for the Heater Kit (HK-1001)

Application	Recommended Fuel Line Kit
#10 Fuel Feed Line (From FASS to Engine 5')	FLK-S01
Double Pickup / Return (15')	FLK-S03
Double Vent Return Line Kit (15')	FLK-S06
DD15 Complete Fuel Line Kit (15')	FLK-S07
Single Pickup / Single Return (10')	FLK-S08

HEAR WHAT OTHERS ARE SAYING ABOUT THEIR

FASS SYSTEM AND FUEL MILEAGE:



After about 50 miles I noticed that the engine pulled better than it ever had. It had 3 lbs more intake manifold pressure. The exhaust gas temp was 50 degrees less than before. And the biggest thing, it was getting about 4.75 mpg. After about 2 weeks I settled down and drove a little easier and the mileage came on up to 5.0! I figured that **I paid for the FASS system in about six months in fuel savings alone.** I will never own another truck without a FASS system. How can you afford not to.

Steve of Ohio

The recent installation of your FASS system has performed as well as you said it would. I installed the unit on a Cummins BC III 400HP with 550,000 miles on the last rebuild. **The improved fuel mileage was enough satisfaction but the increased power was better than I expected.** My fuel mileage went from 5.1 mpg to 5.6 mpg and that is a combination of highway and rural driving. With that kind of increase, the system should pay for itself before the end of the year. *Chris of Ohio*

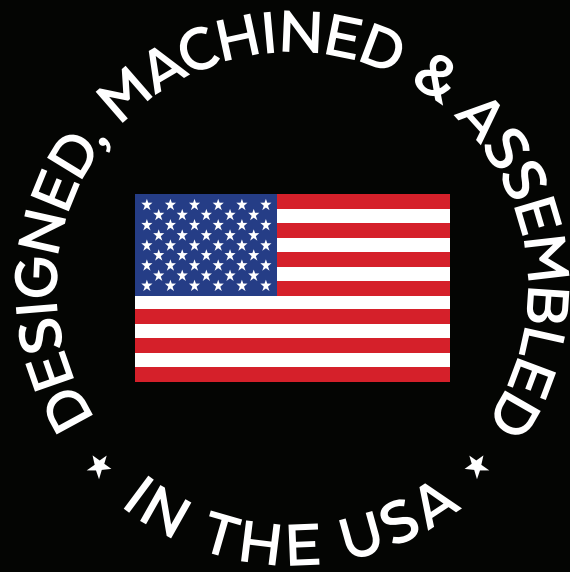
I have a Cummins N-14 rated at 500HP. Right away I noticed an increase in acceleration and could hear a noticeable difference in the sound of the engine at an idle. I've been using the system for approximately two months and have been averaging a little better than a mile per gallon increase on my fuel. With fuel prices the way they are today, I can see that within a few months, the system will have paid for itself and I'll be saving money, plus have a better performing truck. EXCELLENT!!! *Rob of Missouri*

I love the extra filtration and how smooth my truck runs. When it comes to everything I like about the system, better fuel mileage is just a bonus!

John Rissler



Calculate your fuel savings
@ FASSRIDE.COM



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Diesel Fuel Systems

www.fassride.com

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