

FASSRIDE.COM
THE FUTURE OF FUEL

REMOVES ALL TYPES OF CONTAMINANTS
& SAVES YOUR INJECTORS

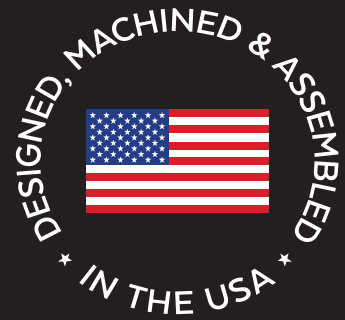
CONSISTENT ENGINE PERFORMANCE-HOT VS. COLD FUEL
& FULL VS. QUARTER TANK

INCREASE HORSEPOWER & TORQUE

LOWER MAINTENANCE COST & INCREASED FUEL MILEAGE

EXCELLENT COLD WEATHER CAPABILITIES

DEALERS WORLDWIDE



**LIFETIME
WARRANTY**
AVAILABLE*

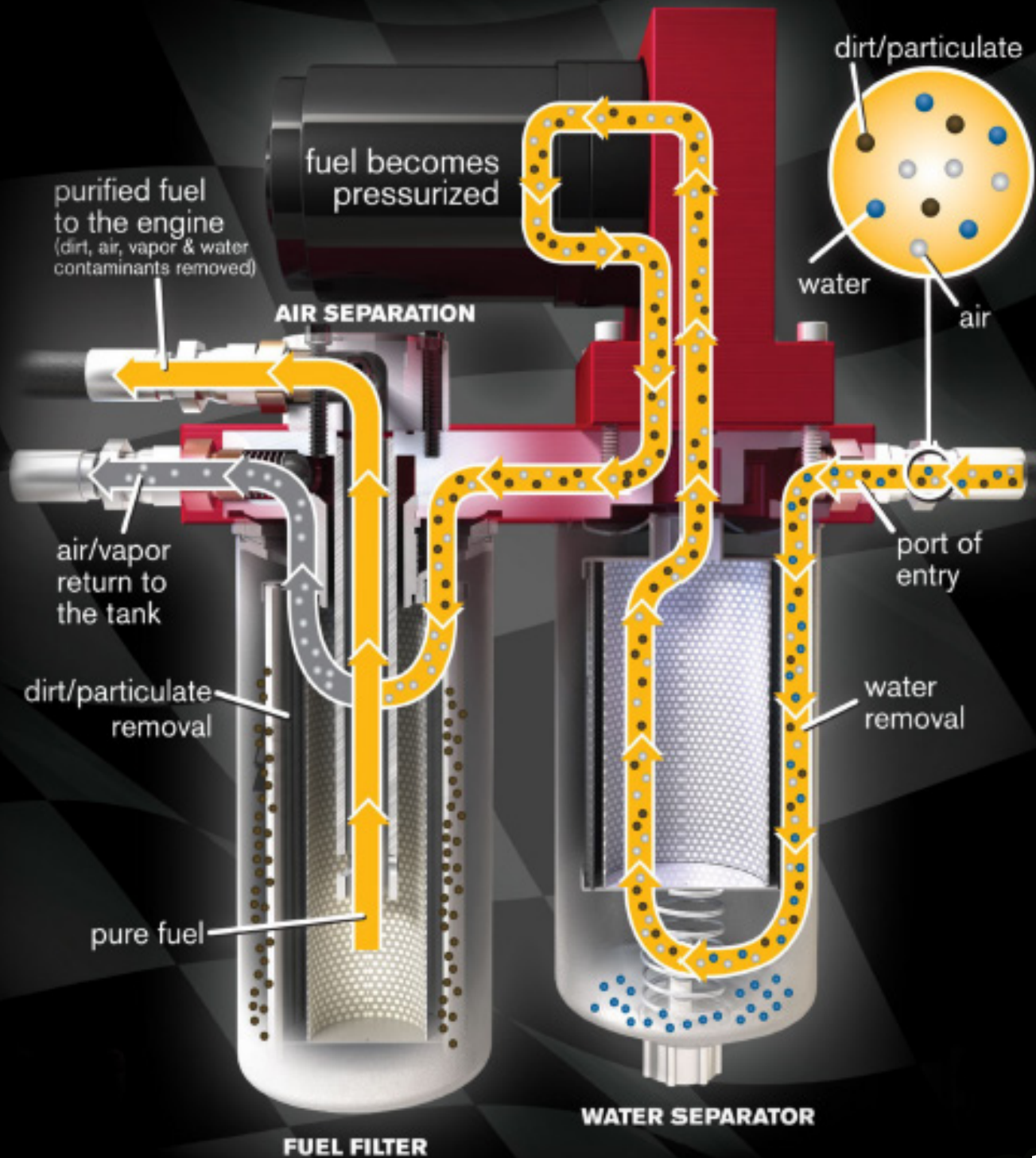
*MOST PICKUP MODELS

FASS
Diesel Fuel Systems

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.

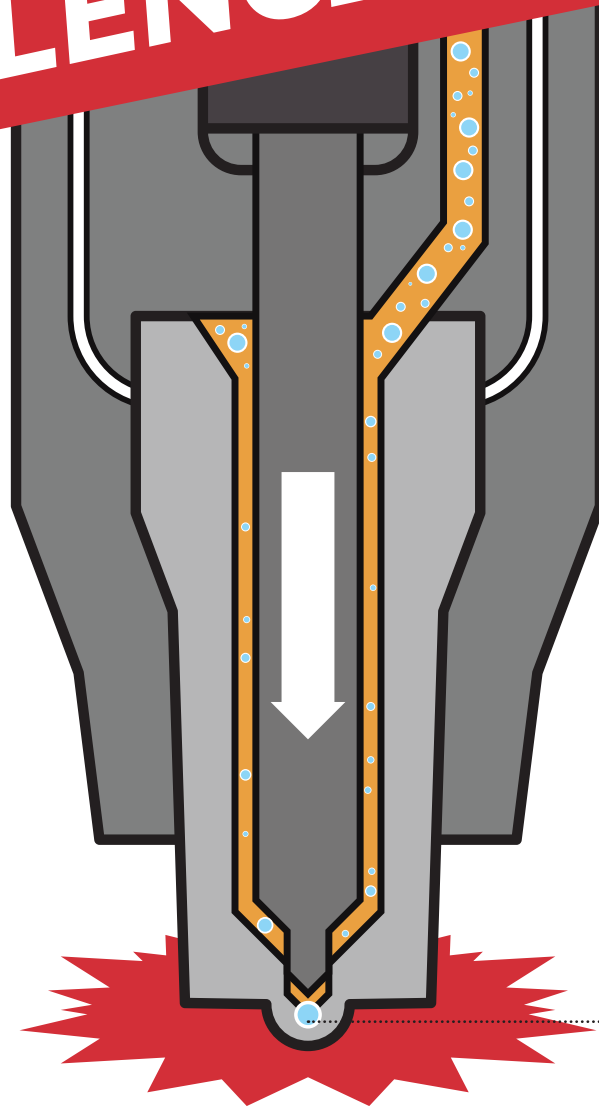
Filtration = FASS Fuel Systems are designed to eliminate air, vapor debris & water trapped in diesel fuel.

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.

Please note: A FASS System will NOT fix an already bad injector.

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.

OUR PUMPS

OVER 30 active filter cross references

UNDER ORIGINAL OWNERSHIP

RADIUS CUTS

Ports for electric and coolant heaters

1/2 INCH PORTS

OUR 95GPH OUTFLOWS THEIR 165

We rate our systems on diesel fuel and applications pressures

AMERICAN BUILT MOTORS

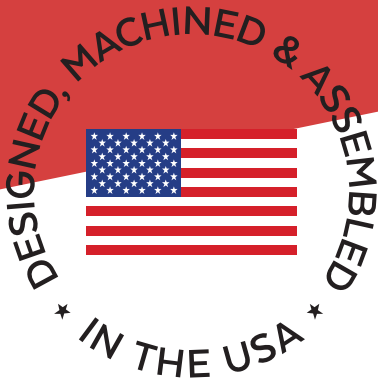
Steel no drill brackets
(tucks up away from road debris)

Mechanical history in tech department

Low noise level while flowing more fuel

LESS THAN 2% FAILURE RATE

Reports of a million and counting miles
on FASS Motor



THEIR PUMPS

You have to use their filters or search forums for filters other people may have found

???

90 degree sharp angles & "T" junctions that create aeration

No options for heating fuel in extreme cold temperatures

3/8 inch ports

Part number is just a part number and not actual flow numbers.

Runs pump on mineral spirits at ZERO psi for testing

Chinese Motors

Plastic clamp brackets
(subjects pump to road debris)

???

Loud and flows less fuel

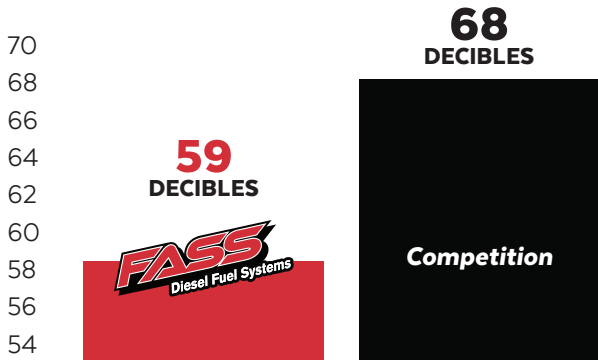
Read the forums...

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!



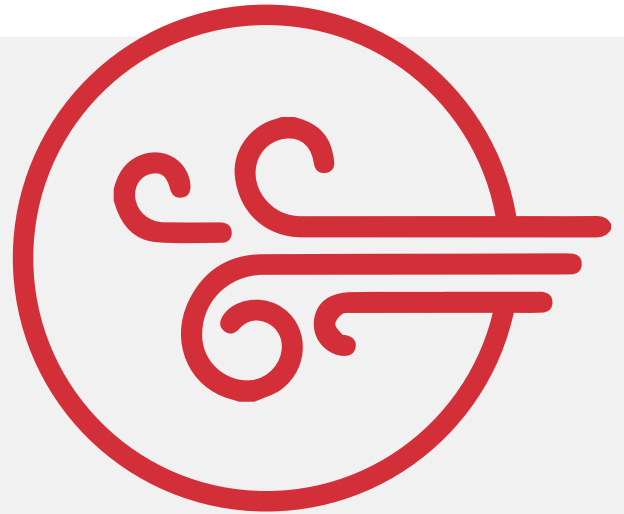
Noise Levels

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.

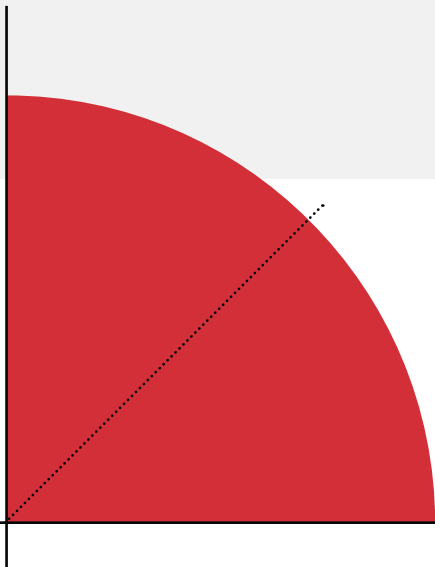
MFR (Mass Flow Return)

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

FUEL PUMP SERIES



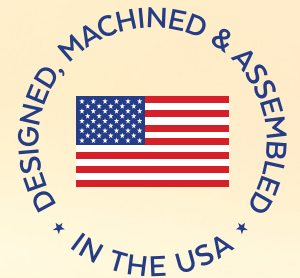
The most versatile High Performance Fuel Pump on the market. The FASS **Adjustable Fuel Pump** allows the consumer to tweak fuel pressure on the “Fly”. The built-in Boost Compensation Port also gives the pump increased and consistent fuel pressure based on boost referencing from the turbo keeping fuel pressure in line with the needs of the engine. Flow rates up to 260 GPH and fuel pressure up to 80 PSI (depending on the model).

Adjustable Pump Benefits:

- Increased Fuel Flow
- Adjustable Fuel Pressure
- Works in conjunction with the Stock Fuel Filter
- Reduced Maintenance Costs

Adjustable Pump Features:

- Flows up to 260 GPH
- Adjustable Fuel Pressure Up to 80 PSI
- Boost Compensation Port
- All 1/2” Ports with 1/2” Fuel Lines
- FASS Silencing Technology
- Limited Lifetime Warranty Available on Pickup





**STOCK REPLACEMENTS
AND FLOW ENHANCERS**



DRP SERIES

4 YEAR WARRANTY AVAILABLE

Consumers wanting FASS quality and reduced cost for stock applications can now get the Dodge Replacement Pump. The DRP gives the consumer approximately 2.5 times the flow rate as the stock Carter Pump.

Note: This pump is intended for STOCK Applications! Modifications may warrant an upgrade to the Adjustable Fuel Pump.



D-MAX SERIES

4 YEAR WARRANTY AVAILABLE

The Dura-Max Flow Enhancer is modeled around our very successful DRP Series. GM Duramax trucks do not have a stock lift pump which forces the injection pump to “pull” the fuel all the way from the tank, creating vacuum and constantly introduces more air and vapor into the fuel. The Dura-Max Flow Enhancer creates a positive flow of fuel, “pushing” it to the injection pump, eliminating vacuum and drastically reducing air and vapor in the fuel.

Note: This pump is intended for STOCK Applications! Modifications may warrant an upgrade to the Adjustable Fuel Pump.

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FASS[®] Diesel Fuel Systems **ACCESSORIES**



RK-02

Relocation kit designed to work with the DRP 02. This kit allows the user to mount the DRP pump anywhere between the stock location and the tank. Mounting closer to the tank essentially creates a “pusher” pump.



RK-04

Relocation kit designed to work with the DRP 04. This kit allows the user to mount the DRP pump anywhere between the stock location and the tank. Mounting closer to the tank essentially creates a “pusher” pump.



FPR-1001

The FASS Fuel Pressure Regulator is manufactured of 6061 T-6 aircraft quality aluminum to achieve the high standards FASS has set forth in the industry. It is an adjustable bypass fuel pressure regulator designed to give external control to maintain more consistent fuel pressure.



DFD-4000

As many Duramax owners know, the stock fuel filter on their truck is not only expensive to replace, but is in a very awkward and hard to reach location. With a FASS Fuel System we are able to totally delete the OEM Filter, thus eliminating the time and costs associated with a new filter and install every 5-10K miles. The revolutionary bowl design screws on in place of the stock filter allowing fuel to flow through unrestricted while also offering a gauge port to monitor fuel pressure.



STK-1002

FASS Fuel Systems offers the most complete line in Suction Tube Kits to help reduce the number of diesel trucks that suffer from the “Quarter Tank” issue. The STK-1002 comes with 15” of PTFE tubing to fit virtually any size fuel tank.

FASS[®] Diesel Fuel Systems **ACCESSORIES**



STK-1003

FASS Fuel Systems offers the most complete line in Suction Tube Kits to help reduce the number of diesel trucks that suffer from the “Quarter Tank” issue. The STK-1003 comes with a 13” convoluted tube that is designed to suck the fuel directly out of the in-tank fuel basket.



STK-5500

The FASS Sump Kit is designed to function independently or in combination with our Fuel Air Separation System. Like most sumps on the market, the FASS sump can pull fuel from outside of the sump bowl through a pre-tapped 1/2” port. However, FASS also gives the consumer the option to pull the fuel from inside of the tank, eliminating the possibility of any external fuel lines catching and becoming loose.



NDB-1001 & NDB-1002

FASS has taken another step forward introducing our New Quick-Install Bolt-on Mounting Bracket with NO FRAME DRILLING REQUIRED! While previous FASS brackets required the frame to be drilled, this New Quick-Install Bolt-on Bracket eliminates all frame drilling and still offers the strength and security you expect from a steel bracket! This new bracket is offered with our #1 selling system, the FASS Titanium Series.



SFB-1001

Reduce installation time and eliminate frame drilling with the SFB-1001. The Bolt-on design fits securely around the frame and adjusts to fit frame heights from 10” - 11 3/4”. For use on Class 8 Semi Trucks.



FASS FILTERS

FASS Fuel Filters and Water Separators offer premium diesel fuel filtration keeping your fuel system running clean, efficient and powerful.

FASS[®] Diesel Fuel Systems **ACCESSORIES**



STK-5500BO

This FASS Sump includes only the sump bowl itself and all required hardware for installation. Intended to draw fuel from the outside of the tank through a machined 1/2" port, this sump can be installed without having to drop the tank, effectively reducing installation time.



BBRK-1001 & BBRK-1002

Banjo Bolt removal kits replace the Banjo bolts on the injection pump and stock filter with free flowing fittings (Shown right).

BBRK-1001 = 1998.5-2012 Dodge

BBRK-1002 = 94-98 Dodge



HK-1001

FASS Fuel Systems 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 on "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)

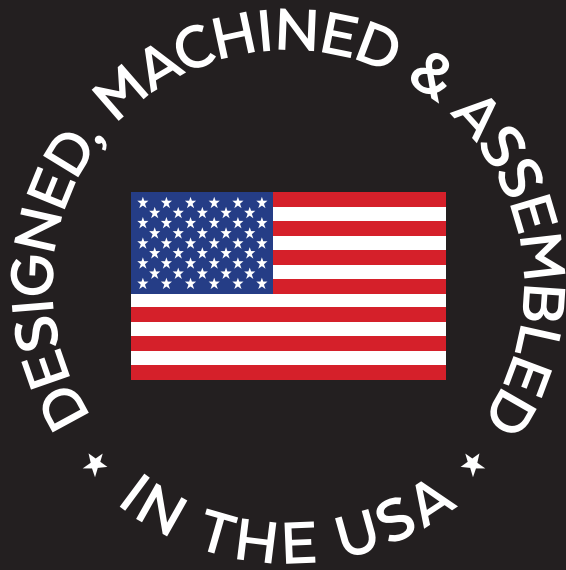
FILTER CROSS REFERENCES

TITANIUM SERIES



Fuel (FF-3003) Fuel Filter (Micron Rating) Thread Size (1-14)
Baldwin BF7633 (2M)
Carquest 86528 (2M)
CAT 1P2299 (6M)
CAT 1R-0750 (2M)
Donaldson P551025 (4M)
Donaldson P551311 (3M)
Donaldson P551313 (3M)
Donaldson P553203 (3M)
Donaldson P557440 (6M)
Fleetguard FF5320(2M)
Fram P8334 (2M)
Hastings FF1079 (2M)
Wix 33352 (6M)
Wix 33528 (2M)
Wix 33674 (2M)
Fleetguard FS1000 (10M)

Water (FS-1001) Water Separator (Micron Rating) Thread Size (1-14)
Baldwin BF1258 (10M)
Baldwin BF1214
Baldwin BF7546 (10M)
Donaldson P558000 (20M)
Donaldson P551000 (10M)
Donaldson P551001 (10M)
Fleetguard FS1282 (14M)
Fleetguard FS-1000 (10M)
Fleetguard FS-1001 (10M)
Fleetguard FS-1009 (14M)
Fleetguard FS-1212 (14M)
LuberFiner LFF8011
LuberFiner LFF8000
Motorcraft FD818 (14M)
Wix 33405 (14M)
Wix 33522 (10M)



FASS
Diesel Fuel Systems

www.fassride.com

(866) 769.3747

Diesel Performance Products, Inc.

16234 Hwy O

Marthasville, MO 63357



@fassfuel



@fassfuelsystems



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