

# FASS FUEL SYSTEMS



## Product Catalog

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# DODGE Section

## TITANIUM SERIES

The Titanium Series is our most versatile FASS System. It is the #1 pump used for pickup and Class 8 drivers. Its small compact design allows you to tuck the pump closer to the frame for better clearance and less visibility. This pump was redesigned in the summer of 2013 and now has the ability to flow up to 260 gallons per hour, has larger filters for longer stays on the road and now offers all half inch ports with half inch fuel line. The Titanium Series is the Premier pump on the FASS line.



### Titanium Series Benefits:

- Increases Lubricity
- Increased Injector Life
- Increased Throttle Response
- Smoother & Quieter Idle
- Easier Start Ups
- Reduced Maintenance Costs
- Consistent Engine Performance
- Reduces "Hot Fuel" Effects
- Increased Fuel Mileage (Est. 2-3mpg but not guaranteed)

### Titanium Series Features:

- Removes Air/Vapor/Dirt/Debris
- Flows up to 260 GPH
- All 1/2" Ports with 1/2" Fuel Lines
- 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
- Limited Lifetime Warranty on Pickup

### Exclusive Features

(More info on pg 22)



## AVAILABLE ACCESSORIES

(More info pgs 13-15)

FPR-1001



HK-1001



STK-1002



STK-1003



STK-1003B



STK-5500



STK-5500B



STK-5500BO





# DODGE Section

## PLATINUM SERIES

The Platinum Series "All in One" pump is intended for the budget minded pickup owner while maintaining the highest quality standards FASS has set forth in the industry. Designed and built to exceed customers' needs and expectations in the most extreme conditions. Providing quality to our customers is always #1 at FASS. Don't let this single filter fool you; it has the life of our competitors smaller twin filtered pickup unit!



### Platinum Series Benefits:

- Increases Lubricity
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- Smoother & Quieter Idle
- Easier Start Ups
- Reduced Maintenance Costs
- Consistent Engine Performance
- Reduces "Hot Fuel" Effects
- Increased Fuel Mileage (Est. 2-3mpg but not guaranteed)

### Platinum Series Features:

- Removes Air/Vapor/ Dirt/Debris
- Flows up to 150 GPH
- All 1/2" Ports with 1/2" Fuel Lines
- Large Multi-purpose 3 micron Fuel Filter Water Separator
- Multiple Filter Cross References
- Preset pressure for your application from 10-55 PSI
- FASS Silencing Technology
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(More info pgs 13-15)

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STK-1003



STK-1003B



STK-5500



STK-5500B



STK-5500BO





## 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
- Easier Start Ups
- Reduced Maintenance Costs

### Adjustable Pump Features:

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

### Exclusive Features

(More info on pg 22)



## AVAILABLE ACCESSORIES

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STK-1003B



STK-5500



STK-5500B



STK-5500BO





## DODGE Section

# DRP SERIES

Consumers wanting FASS quality and 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! Any modifications warrants an upgrade to the Adjustable Fuel Pump.



### DRP Series Benefits:

- Increased Fuel Flow
- Works in conjunction with the Stock Fuel Filter
- Replaces Stock Carter Pump
- Easier Start Ups
- Reduced Maintenance Costs

### DRP Series Features:

- Flows 2.5 times the stock Carter Pump
- Preset Pressure 16-18 PSI
- FASS Silencing Technology
- 4 Year Warranty on Pickup



### Exclusive Features

(More info on pg 22)



## AVAILABLE ACCESSORIES



### Benefits of Relocation Kits!

The FASS DRP Relocation Kit gives consumers the option to mount their DRP closer to the fuel tank which allows easier priming and reduces the potential of introducing air & vapor into the fuel. This is accomplished by shortening the distance the fuel needs to travel from the tank to the pump, essentially creating a "Pusher" pump instead of a "Suction" pump. (More info on pg. 16)



## TITANIUM SERIES

The Titanium Series is our most versatile FASS System. It is the #1 pump used for pickup and Class 8 drivers. Its small compact design allows you to tuck the pump closer to the frame for better clearance and less visibility. This pump was redesigned in the summer of 2013 and now has the ability to flow up to 260 gallons per hour, has larger filters for longer stays on the road and now offers all half inch ports with half inch fuel line. The Titanium Series is the Premier pump on the FASS line.



### Titanium Series Benefits:

- Increases Lubricity
- Increased Injector Life
- Increased Throttle Response
- Smoother & Quieter Idle
- Easier Start Ups
- Reduced Maintenance Costs
- Consistent Engine Performance
- Reduces "Hot Fuel" Effects
- Increased Fuel Mileage (Est. 2-3mpg but not guaranteed)

### Titanium Series Features:

- Removes Air/Vapor/Dirt/Debris
- Flows up to 260 GPH
- All 1/2" Ports with 1/2" Fuel Lines
- 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
- Limited Lifetime Warranty on Pickup

### Exclusive Features (More info on pg 22)



## AVAILABLE ACCESSORIES

(More info pgs 13-15)

FPR-1001



HK-1001



STK-1002



STK-1003



STK-1003B



STK-5500



STK-5500B



STK-5500BO



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- Consistent Engine Performance
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**Platinum Series Features:**

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**Exclusive Features**  
(More info on pg 22)



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(More info pgs 13-15)

FPR-1001



HK-1001



STK-1002



STK-1003



STK-1003B



STK-5500



STK-5500B



STK-5500BO





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**Adjustable Pump Benefits:**

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

**Adjustable Pump Features:**

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

**Exclusive Features**  
(More info on pg 22)



## **AVAILABLE ACCESSORIES**

(More info pgs 13-15)

FPR-1001



STK-1002



STK-1003



STK-1003B



STK-5500



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STK-5500BO



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**Exclusive Features**  
(More info on pg 22)



## **AVAILABLE ACCESSORIES**

(More info pgs 13-15)

FPR-1001



HK-1001



STK-1002



STK-1003



STK-1003B



STK-5500



STK-5500B



STK-5500BO



DFD-4000



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- 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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**Exclusive Features**  
(More info on pg 22)



## AVAILABLE ACCESSORIES

(More info pgs 13-15)

FPR-1001



HK-1001



STK-1002



STK-1003



STK-1003B



STK-5500



STK-5500B



STK-5500BO



DFD-4000



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**Adjustable Pump Benefits:**

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

**Adjustable Pump Features:**

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

**Exclusive Features**  
(More info on pg 22)



## AVAILABLE ACCESSORIES

(More info pgs 13-15)

FPR-1001



STK-1002



STK-1003



STK-1003B



STK-5500



STK-5500B



STK-5500BO



# D-MAX SERIES

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! Any modifications warrants an upgrade to the Adjustable Fuel Pump.



**DMAX Series Benefits:**

- Creates “Positive” Fuel Flow
- Eliminates Suction for the Injection Pump
- Drastically reduces Air/Vapor in the fuel caused by suction
- Works in conjunction with the Stock Fuel Filter
- Easier Start Ups
- Reduced Maintenance Costs

**DMAX Series Features:**

- Increased “Positive” Fuel Flow
- Preset Pressure 8-10 PSI
- FASS Silencing Technology
- 4 Year Warranty on Pickup

**Exclusive Features**

(More info on pg 22)



**CLASS 8 / SEMI**

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## **AVAILABLE ACCESSORIES**

### **Fuel Line Kits:**

(More info on pg. 16 )



### **Semi Frame Bracket (SFB-1001)**



### **Titanium Series Class 8 Benefits:**

- Increases Lubricity
- Increased Injector Life
- Increased Throttle Response
- Smoother & Quieter Idle
- Easier Start Ups
- Reduced Maintenance Costs
- Consistent Engine Performance
- Reduces "Hot Fuel" Effects
- Gain a gear on the hills
- Minimize mirror vibration during idle
- Increased Fuel Mileage  
(Est. 0.3-0.4mpg but not guaranteed)





## 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 or other aftermarket filtering system downstream of the stock filter, 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.



**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-1003B**

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-100B comes with a 13” convoluted tube that is designed to suck the fuel directly out of the in-tank fuel basket. This kit is designed as an add on if the customer already has an STK-1002 or STK-1003.



**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.



**STK-5500B**

The STK-5500B FASS Sump is the same as the complete STK-5500 minus the Bulkhead Fitting (Red Fitting shown above on STK-5500). This kit is designed as an add-on upgrade for an STK-1002 or STK-1003 where a Bulkhead has been previously installed.





**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

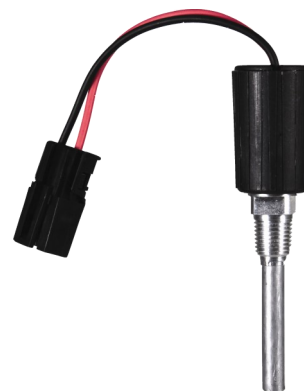
**BBRK-1002** = 94-98 Dodge

**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)



**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.



**Class 8 Fuel Line Kits**

All the Hardware needed to install the FASS return line back to the tank(s) on your Class 8 truck. Options for different model trucks available!

- FLK-S01 = Fuel Line Feed
- FLK-S02 = Single Return Line
- FLK-S03 = Double Return Line
- FLK-S04 = MBE 4000 (Mercedes) Fuel Line Kit
- FLK-S05 = Volvo Fuel Line Kit



**Semi Frame Bracket (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 ¾”.



# REPLACEMENT FILTERS

## **FWS-3003**

3 Micron Fuel Filter Water Separator used as the primary filter on the Platinum series and serves as the Fuel Filter on the Titanium Series.



## **FS-1001**

10 micron Water Separator used on the NEW Gun Metal Grey Titanium Series. Also used as the water separator on the now obsolete Red Heavy Duty Series.



## **FF-1003**

3 Micron Fuel Filter used on the now obsolete Heavy Duty Series.



## **FS-2001**

10 Micron Water Separator used on the now obsolete Blue Titanium Series.



# FILTER CROSS REFERENCES

## TITANIUM SERIES



(Currently in use)

- Fuel (FWS-3003)
- Water (FS-1001)



<u>Fuel Filter (Micron Rating)</u>	<u>Water Separator (Micron Rating)</u>
Baldwin BF7633 (2M)	Baldwin BF 1258 (10M)
Carquest 86528 (2M)	Baldwin BF1214
CAT 1P2299 (6M)	Baldwin BF7546 (10M)
Donaldson P550625 (3M)	CAT 1752949(3M)
Donaldson P551025(4M)	Donaldson P551000 (10M)
Donaldson P551311 (3M)	Donaldson P551001(10M)
Donaldson P551313 (3M)	Donaldson P558000 (20M)
Donaldson P553203(3M)	Fleetguard FS-1000 (10M)
Donaldson P557440 (6M)	Fleetguard FS-1001 (10M)
Fleetguard FF5320(2M)	Fleetguard FS-1009(14M)
Fram P8334 (2M)	Fleetguard FS-1212(14M)
Hastings FF1079 (2M)	Fleetguard FS1282 (14M)
Wix 33352 (6M)	LuberFiner LFF8000
Wix 33528 (2M)	LuberFiner LFF8011
Wix 33674 (2M)	Motorcraft FD818 (14M)
	Wix 33405(14M)
	Wix 33406 (14M)
	Wix 33407 (5M)
	Wix 33522 (10M)

## PLATINUM SERIES



(Currently in use)

- Fuel/Water (FWS-3003)

<b><u>Fuel/Water Separator (Micron Rating)</u></b>
Carquest 86005 (3M)
Caterpillar 1752949 (3M)
Donaldson P550847 (3M)
Donaldson P551313 (2M)
Donaldson P553203(3M)
Racor B32004S(2M) w/ bowl
Racor S3204 (2M) Filter Only
Wix 33005 (3M)
Wix 33407 (5M)
Wix 33422 (2M)
Wix 33674 (2M) No Drain
Wix 33693 (2M)
LuberFiner LFF1001(5M) No Drain



# FILTER CROSS REFERENCES



## HEAVY DUTY SERIES

Previously Used

- Fuel (FF-1003)

Previously Used

- Water (FS-1001)

*\*Note: The Heavy Duty Series was discontinued in the Summer of 2013 and replaced by the New and Improved Gun Metal Grey Titanium Series. However, we realize there are thousands of HD Series pumps out in the field that will require filter changes. The chart below lists Cross References for our now obsolete HD Series.*

<u>Fuel Filter (Micron Rating)</u>	<u>Water Separator (Micron Rating)</u>
Baldwin BT372-10 (5M)	Baldwin BF1212 (20M)
Baldwin BT372-MPG (10M)	Baldwin BF1214
Carquest 85724 (10M)	Baldwin BF7546 (10M)
Caterpillar 3T8642(5M)	CAT 1752949(3M)
Cim-Tek 70032 (10M)	Donaldson P551000 (10M)
Cim-Tek 70213 (3M)	Donaldson P551001(10M)
Donaldson P550705 (10M)	Donaldson P558000 (20M)
Donaldson P569381 (3M)	Fleetguard FS-1000 (10M)
Fleetguard FF5588 (10M)	Fleetguard FS-1001 (10M)
Fleetguard HF 6338 (10M)	Fleetguard FS-1009(14M)
FLEETGUARD HF 6601 (10M)	Fleetguard FS-1023 (144M)
FLEETGUARD HF 6604 (3M)	Fleetguard FS-1212(14M)
FLEETGUARD HF 6607 (6M)	Fleetguard FS1282 (14M)
Fram P8024 (5M)	LuberFiner LFF8000
Hastings HF779 (5M)	LuberFiner LFF8011
Luber Finer LFH4922	LuberFiner LFF8020
Luber Finer LFH8324	Motorcraft FD818 (14M)
Purolator 7400SAL032F2 (3M)	Wix 33405(14M)
Wix 51116 (11M)	Wix 33406 (14M)
Wix 51120 (9M)	Wix 33407 (5M)
Wix 51202 (5M)	Wix 33522 (10M)
Wix 51724(10M)	
Wix A07A03C (3M)	

# REPLACEMENT PUMPS



## P - PLATINUM SERIES

Part Number	Application
RPP-1005	Platinum Series EM-1001 w/.625 gear
RPP-1006	Platinum Series EM-1001 w/.335 gear
RPP-1008	Platinum Series EM-1002 w/.335 gear



## T - TITANIUM SERIES



RPT-1005	Titanium Series EM-1001 w/.625 gear
RPT-1006	Titanium Series EM-1001 w/.335 gear
RPT-1007	Titanium Series EM-1002 w/.625 gear
RPT-1008	Titanium Series EM-1002 w/.335 gear
RPT-1010	Titanium Series EM-1002 w/.750 gear



## HD - HEAVY DUTY SERIES

RPHD-1001	HD Series EM-1001 w/.625 gear
RPHD-1002	HD Series EM-1001 w/.335 gear
RPHD-1003	HD Series EM-1002 w/.625 gear
RPHD-1004	HD Series EM-1002 w/.335 gear
RPHD-1009	HD Series EM-1002 w/.750 gear



## FA - FUEL PUMPS - ADJUSTABLE

RPFA-1001	FA Pump EM-1001 w/.625 gear
RPFA-1002	FA Pump EM-1001 w/.335 gear
RPFA-1003	FA Pump EM-1002 w/.625 gear
RPFA-1004	FA Pump EM-1002 w/.335 gear
RPFA-1009	FA Pump EM-1002 w/.750 gear

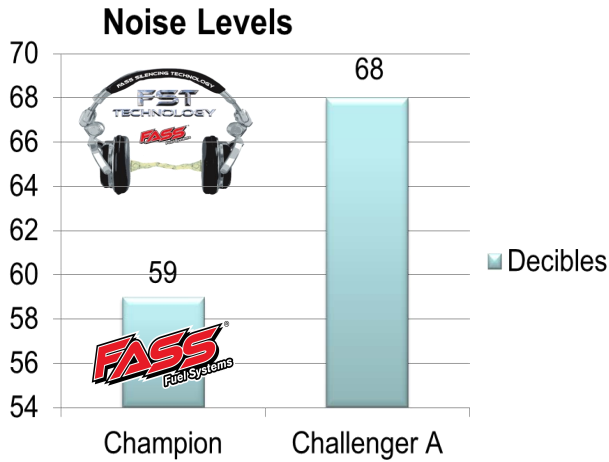


## DRP & D-MAX REPLACEMENT PUMPS

RPDRP	DRP Replacement
RPDMAX	D-MAX Replacement



# ***EXCLUSIVE FEATURES***

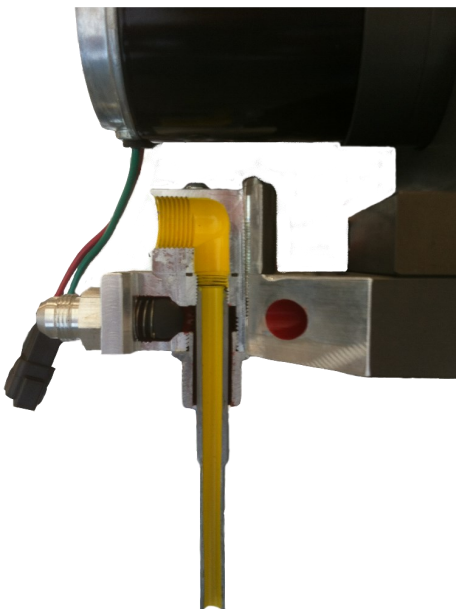


### **FST Technology (FASS Silencing Technology)**

For Every decrease of 3 decibels in sound pressure, it is roughly half the audible sound pressure. With FST Technology, 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 though 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.





# WHY **FASS** Fuel Systems vs Competitors?

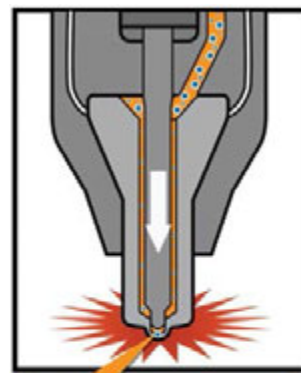
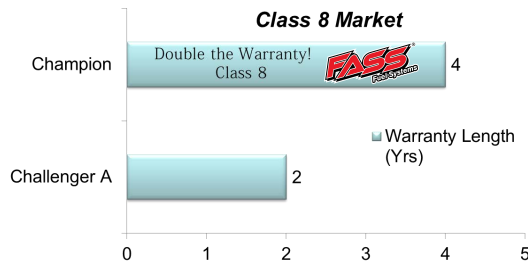
At FASS Fuel Systems, Inc. it is important to us to produce the highest quality fuel systems while providing personal one on one service when you need it the most. Complete satisfaction is of the upmost importance and we strive for that every day. Below are a few reason why FASS sets itself apart from similar competitors.

- ◇ Warranty
  - ⇒ Pickup—Lifetime Warranty
  - ⇒ Class 8—4 Year Warranty (See Chart)
- ◇ #1 in customer Service
- ◇ Original Manufacturer since day 1
- ◇ Quality & Dependability you can trust
- ◇ Benefits
  - Increases Lubricity
  - Increased Injector Life (See Right)
  - Increased Throttle Response
  - Smoother & Quieter Idle
  - Removes Dirt/Debris./Air & Vapor
  - Easier Start Ups
  - Reduced Maintenance Costs
  - Consistent Engine Performance
  - Reduces “Hot Fuel” Effects
  - Increased Fuel Mileage (Not guaranteed)
- ◇ FASS Silencing Technology
- ◇ Mass Flow Return
- ◇ Performance Radius Cuts
- ◇ Extended Filter life with a long list of Filter Cross References



Challenger A.

## WARRANTY



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.

## FLOW RATE

