



FUELAB[®]

DIGITAL FUEL DELIVERY

F U E L D E L I V E R Y T H A T P E R F O R M S



2022

DIESEL CATALOG [FUELAB.com](https://www.fuelab.com)

VELOCITY SERIES DIESEL LIFT PUMPS

FUELAB® has been bringing cutting edge fuel system technology to the performance marketplace for years. It started with the release of our Prodigy Series of DC brushless fuel pumps that completely changed fuel delivery and most recently revealed in our new electronic fuel pressure regulator to control pump speed based on engine demand.

Based on the same technology breakthroughs, FUELAB® is proud to offer our high performance series of Diesel Performance Lift Pumps and Filtration Systems. The Velocity 100GPH Lift Pump with Filter and Velocity 200GPH Lift Pump with Filter and Vortex Air Separator represent a major upgrade in diesel lift pump efficiency and technology.

WHY DO I NEED A LIFT PUMP IN THE FIRST PLACE?

Lift pumps, as applied to diesel fuel systems, move fuel from the fuel tank to the main high pressure injector pump that directly feeds the diesel engine through the injector(s). The lift pump also applies a pressure to the inlet side of the main high pressure injector pump. If the high pressure injector pump “pulls” too much vacuum or does not have enough pressure applied to the inlet, then fuel can cavitate, or vaporize. This vaporizing not only prevents adequate flow, but actually permanently damages the injector pump (a very expensive mistake). Having enough fuel pressure, throughout all of your operating conditions, is critical in protecting the injector pump.

RELATIONSHIP BETWEEN FLOW AND PRESSURE

Most lift pump and carbureted systems are advertised to show their big “Free Flow” numbers. While free flow specifications can give a clue to horsepower capacity; pressure regulation is the true final determination in how much power the lift pump can support. Keeping adequate pressure, while flowing, is the key to supporting power and protecting your injector pump from damage.

As fuel consumption and flow rate increases, internal relief valves compensate for the resulting loss of pressure. The performance characteristics of these valves is one way Fuelab® keeps up under demand.

While competing systems use rubber balls for controlling pressure, we use specially designed and shaped valve components that allow for maximum flow with a minimal loss of pressure. Our valves not only allow for a more stable and consistent flow, but do not drop off in pressure sharply under engine demand. The combination of high flow rates with superior valve performance allows a Fuelab® fuel system to maintain pressure, keeping diesel injector pumps safe from harmful fuel starvation.

At FUELAB, we put the focus on the customer first. We back all of our products with a Limited Lifetime Warranty. Our products are 100% inspected and tested before leaving our facility. Each serialized VELOCITY SERIES pump comes with its own flow performance certifications, giving customers real performance data on their purchase.



VELOCITY SERIES 200GPH LIFT PUMP WITH FILTER AND VORTEX AIR SEPARATOR



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VELOCITY FUEL SYSTEMS

HIGH PERFORMANCE REPLACEMENTS **100 GPH LIFT PUMP**



When it comes to performance upgrades for your diesel, nothing beats this simple yet highly efficient design for providing high flow rates and stable pressure to the injector pump.

Includes pre-filter with water separation built in.

PUMP FEATURES:

- DC Brushless Motor
- Flow thru design for cool operation
- No shaft seals to fail
- Extremely quiet pump
- Long life pump, no brushes to wear out
- Very low current draw
- Integrated Pre-Filter
- Keeps injectors protected
- Pure diesel fuel reaches the engine
- Standard Replacement Elements
- Flow tests provided with each pump
- Stable flow and pressure to injector pump
- Competitor switch-out kits available
- Easy installation
- Mounts to frame – No drilling required!
- Install Kits sold separately

30301 500HP

LIFT PUMP FOR 1998.5 – 2013 DODGE CUMMINS 2500/3500 5.9L/6.7L ENGINES

Velocity Series 100GPH In Line Pump, Internal Bypass Pre-Set at 18psi, Pre-Filtration System with Fuel/Water Separator, Mounting Brackets and Instructions

30302 500HP

LIFT PUMP FOR 2001 – 2010 GM DURAMAX 2500/3500 6.6L ENGINES

Velocity Series 100GPH In Line Pump, Internal Bypass Pre-Set at 8psi, Pre-Filtration System with Fuel/Water Separator, Mounting Brackets and Instructions

30305 500HP

LIFT PUMP FOR 2008 – 2010 FORD POWERSTROKE 6.4L ENGINES

Velocity Series 100GPH In Line Pump, Internal Bypass Pre-Set at 10psi (to be used with OE Fuel Bowl for final pressure regulation), Pre-Filtration System with Fuel/Water Separator, Mounting Brackets and Instructions

30307 500HP

LIFT PUMP FOR 1994-1998 DODGE CUMMINS 5.9L ENGINES

Velocity Series 100GPH In Line Pump, Internal Bypass Pre-Set at 35psi, Pre-Filtration System with Fuel/Water Separator, Mounting Brackets and Instructions

HIGH PERFORMANCE REPLACEMENTS 200 GPH LIFT PUMP

Fuelab is proud to offer the most advanced aftermarket diesel lift pump available on the market today. Using our proven DC brushless pump technology, we integrate a powerful, efficient, speed controllable pump with a state of the art relief valve, air/water separation and filtration system that is second to none.

This combination of high flow rates with superior valve performance allows the Velocity 200 GPH system to maintain pressure, keeping injector pumps safe from harmful fuel starvation.

PUMP FEATURES:

- Vortex Air Separation Chamber
- DC Brushless Motor
- Flow thru design for cool operation
- Extremely quiet pump
- Long life, no brushes to wear out
- Very low current draw
- Integrated post-filter
- Keeps injectors protected
- Pure diesel fuel reaches the engine
- Standard Replacement Elements
- Flow tests provided with each pump
- Higher flow rates to injector pump
- More stable pressure to injector pump
- Competitor switch-out kits available
- Easy Installation
- Mounts to frame – No drilling required!
- Install kits sold separately



30303 1500HP

LIFT PUMP FOR 1998.5 – 2013 DODGE CUMMINS 2500/3500 5.9L/6.7L ENGINES

Velocity Series 200GPH Air/Fuel Separator Fuel System With Fuel/Water Separator, Pre-Set Bypass at 18psi, Mounting Brackets and Instructions

30306 1500HP

LIFT PUMP FOR 2008 – 2010 FORD POWERSTROKE 6.4L ENGINES

Velocity Series 200GPH Air/Fuel Separator Fuel System With Fuel/Water Separator, Pre-Set Bypass at 8-10psi, Mounting Brackets and Instructions

30304 1500HP

LIFT PUMP FOR 2001 – 2010 GM DURAMAX 2500/3500 6.6L ENGINES

Velocity Series 200GPH Air/Fuel Separator Fuel System With Fuel/Water Separator, Pre-Set Bypass at 8psi, Mounting Brackets and Instructions

30308 1500HP

LIFT PUMP FOR 1994-1998 DODGE CUMMINS 5.9L ENGINES

Velocity Series 200GPH Air/Fuel Separator Fuel System With Fuel/Water Separator, Pre-Set Bypass at 45psi, Mounting Brackets and Instructions

PERFORMANCE INSTALL KITS

FUELAB® offers only the highest quality components in our diesel aftermarket lift pump install kits. Fuel rated hose, custom wire harnesses and multiple vehicle year plumbing components are just of the few details that make our kits the best money can buy.



20103 KIT /

PERFORMANCE 100 INSTALL KIT

- 1998.5-2004 Dodge Cummins
- 3/8" Line, Fittings, Clamps, Draw Straw, Wire Harness and Install Manual
- For use with Model 30301

20104 KIT /

PERFORMANCE 200 INSTALL KIT

- 1998.5-2004 Dodge Cummins
- 1/2" Line, Fittings, Clamps, Draw Straw, Wire Harness and Install Manual
- For use with Model 30303

20203 KIT /

PERFORMANCE 100 INSTALL KIT

- 2011-2016 GM Duramax
- 1/2" Line, Fittings, Clamps, Draw Straw, Wire Harness and Install Manual
- For Use with Model 30302

20105 KIT /

PERFORMANCE 100 INSTALL KIT

- 2005-2013 Dodge Cummins
- 3/8" Line, Fittings, Clamps, Draw Straw, Wire Harness and Install Manual
- For use with Model 30301

20106 KIT /

PERFORMANCE 200 INSTALL KIT

- 2005-2013 Dodge Cummins
- 1/2" Line, Fittings, Clamps, Draw Straw, Wire Harness and Install Manual
- For use with Model 30303

20204 KIT /

PERFORMANCE 200 INSTALL KIT

- 2011-2016 GM Duramax
- 1/2" Line, Fittings, Clamps, Draw Straw, Wire Harness and Install Manual
- For Use with Model 30304

20201 KIT /

PERFORMANCE 100 INSTALL KIT

- 2001-2010 GM Duramax
- 3/8" Line, Fittings, Clamps, Draw Straw, Wire Harness and Install Manual
- For use with Model 30302

20202 KIT /

PERFORMANCE 200 INSTALL KIT

- 2001-2010 GM Duramax
- 1/2" Line, Fittings, Clamps, Draw Straw, Wire Harness and Install Manual
- For use with Model 30304

20301 KIT /

PERFORMANCE 100 INSTALL KIT

- 2008-2010 Ford 6.4L Powerstroke
- 1/2" Line, Fittings, Clamps, Wire Harness and Install Manual
- For use with Model 30305

20302 KIT /

PERFORMANCE 200 INSTALL KIT

- 2008-2010 Ford 6.4L Powerstroke
- 1/2" Line, Fittings, Clamps, Wire Harness and Install Manual
- For use with Model 30306

20107 KIT /

PERFORMANCE 100 INSTALL KIT

- 1994-1998 Dodge Cummins
- 3/8" Line, Fittings, Clamps, Wire Harness and Install Manual
- For use with Model 30307

20108 KIT /

PERFORMANCE 200 INSTALL KIT

- 1994-1998 Dodge Cummins
- 1/2" Line, Fittings, Clamps, Wire Harness and Install Manual
- For use with Model 30308

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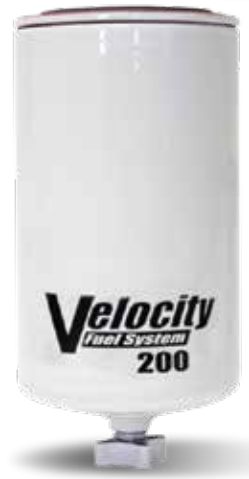
LIFT PUMPS AND ACCESSORIES



FUELAB® has been bringing cutting edge fuel system technology to the performance marketplace for years. We're proud to offer all the great features of our brushless technology fuel pumps in a stand alone unit designed for the diesel performance market. Build your fuel system around the most advanced fuel pump on the planet!



FUELAB® 5010x Series Fuel Pressure Regulators are designed with performance and flexibility in mind. They accept port style and non-port style union fittings without interference. The 5010x Series Fuel Pressure Regulator has a -6AN return port located on the bottom. Use with our Velocity Series 200 GPH lift pump for greater ability to maintain fuel pressure on demand, supporting up to 1500 HP.



We are proud to offer Baldwin® brand filters in our production and replacement fuel/water separation elements. Easy to install, these industry standard elements keep your diesel fuel clean and water free.

10301 PUMP

VELOCITY 100 GPH LIFT PUMP
Internal Bypass Pre-Set 18psi
For Dodge Cummins 1998.5-2013
(Pump Only)

10302 PUMP

VELOCITY 200 GPH LIFT PUMP
Must be used with Vortex Air Separator or Bypass Regulator
(Pump Only)

10303 PUMP

VELOCITY 100 GPH LIFT PUMP
Internal Bypass Pre-Set 8psi
For GM Duramax 2001-2010
(Pump Only)

10304 PUMP

VELOCITY 100 GPH LIFT PUMP
Internal Bypass Pre-Set at 18psi
For Ford Powerstroke 2008-2010
(Pump Only)

10305 PUMP

VELOCITY 100 GPH LIFT PUMP
Internal Bypass Pre-Set at 35psi
For Dodge Cummins 1994-1998
(Pump Only)

50101 REGULATOR

ADJUSTABLE BYPASS REGULATOR

- 4-12psi
- -10AN Inlet
- -6AN Return

50102 REGULATOR

ADJUSTABLE BYPASS REGULATOR

- 10-25psi
- -10AN Inlet
- -6AN Return

50103 REGULATOR

ADJUSTABLE BYPASS REGULATOR

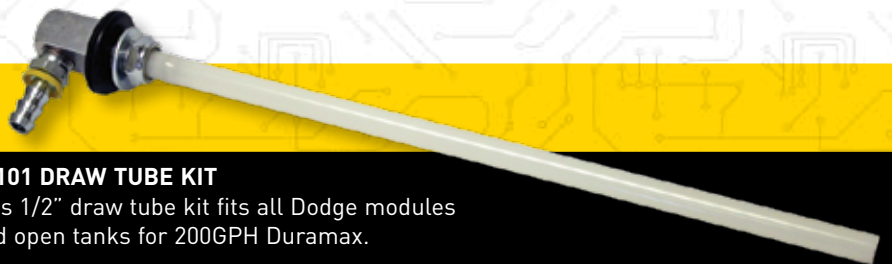
- 25-90psi
- -10AN Inlet
- -6AN Return

40101 FILTER ELEMENT

This filter replacement element is intended to work with Fuelab® Velocity Series 100 Fuel Systems including models 30301 and 30302, depending on application. This water separating filter uses synthetic glass media that has a 5 micron nominal particle rating. Rated for 140GPH.

40102 FILTER ELEMENT

This filter replacement element is intended to work with Fuelab® Velocity Series 200 Fuel Systems including models 30303 and 30304, depending on application. This water separating filter uses synthetic glass media that has a 4 micron nominal particle rating. Rated for 210GPH.



21101 DRAW TUBE KIT

This 1/2" draw tube kit fits all Dodge modules and open tanks for 200GPH Duramax.



ORDERING: FUELAB® operating hours are Monday through Friday, 8:00 AM to 5:00PM Central Time. You can reach us Worldwide at 618.344.3300, orders can be faxed to 844.272.1189 or email us at info@fuelab.com.

SHIPPING: FOB Collinsville, IL. We use FedEx unless otherwise specified. Customers may authorize expedited shipments for an additional charge. Open or concealed freight damage claims must be made to the freight carrier. Damaged merchandise should not be returned to FUELAB® unless prior authorization has been obtained.

TERMS: All orders will be shipped COD or prepaid via credit card unless approved for open terms prior to ordering. We accept Visa, MasterCard, American Express and Discover.

RETURNS: Any returned merchandise must have prior approval from FUELAB® before shipping. A return material authorization number will be assigned to any return and must be clearly marked on shipment packaging. Shipping charges on returned items must be prepaid.

PRICES: Prices are subject to change without notice.

FOREVER FIXED WARRANTY CLAIMS: FUELAB® warrants that products sold under the terms of our limited lifetime warranty will be free from defects in material and workmanship for the life of the product to the original purchaser. For merchandise to be returned for inspection or repair, please contact FUELAB for an RMA number. Merchandise returned for inspection or repair must be sent prepaid and insured and must include proof of purchase. Warranty claims must also include senders name and address, an explanation of the problem, a return material authorization (RMA) number, and a telephone number where the sender can be reached.

LIMITATION OF REMEDIES: If any FUELAB® product is found to be defective under terms of our limited warranty, buyer's exclusive remedy is reimbursement of the sale price of the product. Under no circumstances, whether based on our limited warranty or otherwise, shall FUELAB® be liable for incidental, special, or consequential damages.

FUELAB® fuel system components are capable of altering engine tuning and therefore not legal for sale or use on emission controlled motor vehicles.



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