



FUELAB[™]

DIGITAL FUEL DELIVERY



2008 CATALOG

PRODIGY FUEL PUMPS

FUELAB™ has taken Fuel Delivery to the next level... Digital. Prodigy Fuel Pumps are the automotive aftermarket's first and only speed controllable DC brushless driven fuel pump. Fuelab's award-winning, patent pending designs offer improved durability, substantially higher efficiency, and lower current draw. With digital fuel delivery you get unheard of electro-mechanical efficiencies in a package half the size of competing pumps. Five models are available ranging in performance levels; with flow rates up to 200GPH and operating pressures up to 125PSI.



PUMP FEATURES:

- Only in line pump compatible with gasoline, diesel, methanol, and ethanol
- High efficiency sling vane positive displacement pump
- Special housing shape for extremely quiet operation and steady pressure
- Carbon 9-vane construction with pressure balanced rotor for high reliability
- Backed by a 2-year limited warranty

ELECTRONIC FEATURES:

- Internal speed controller for variable flow operation
- Accepts 0-5 Volt signal for speed control
- 12 to 16 volt vehicle electrical system compatibility
- No expensive voltage reduction/pulse width modulation controllers required
- Continuous duty—motor speed can be adjusted for street or strip fuel demand

COLOR OPTIONS

Actual colors may vary.

- 1 Black / Black
- 2 Red / Clear
- 3 Blue / Clear
- 4 Purple / Clear
- 5 Gold / Black
- 6 Green / Clear



Recipient of the 2006 SEMA Show International Product Award

MOTOR FEATURES:

- Lightweight super-efficient dc brushless motor reduces current draw
- Low mass rotor for high speed reaction to changes in speed and flow
- Powerful high flux density Neodymium rare earth magnets
- No motor brushes to wear out or corrode (low-Sulfur diesel, no problem)
- Wet motor design, no dynamic shaft seals that can wear

CONSTRUCTION FEATURES:

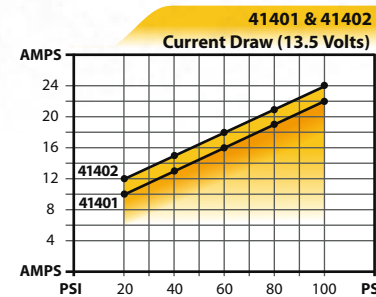
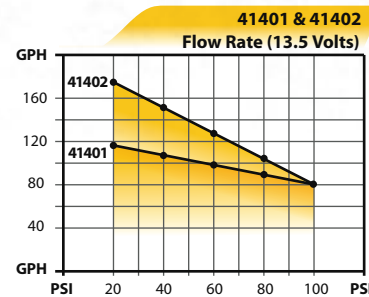
- Compact, lightweight design, 3 lbs, overall length 6.9", diameter 2.63"
- Billet Aluminum Construction with anodize per MIL-A-8625, Type II
- High quality mounting brackets included
- Long-life, multi-fuel compatible Fluorosilicone static seals
- Accepts standard or port style -10AN fittings

WHAT'S NEXT?

The electronically controlled fuel pump is not just an improvement over existing technologies, it is the beginning of a whole new way to look at fuel delivery. Fuelab is currently working on new control systems that will expand the Prodigy's capabilities far beyond what is possible today. Visit Fuelab.com to see what the next evolution in fuel delivery brings.

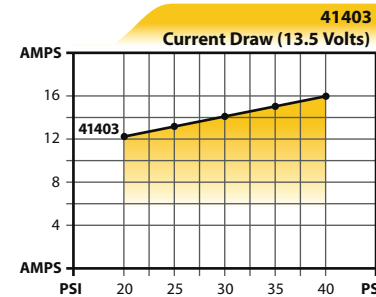
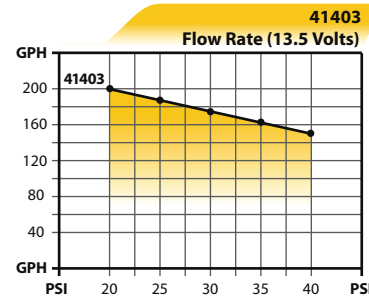
41401
RATED UP TO **1000HP**
105 GPH @ 45 PSI

Model 41401 High Pressure EFI In-Line Fuel Pump
The original digital Prodigy fuel pump, great for street, strip, or off-road use.



41402
RATED UP TO **1300HP**
140 GPH @ 45 PSI

Model 41402 High Efficiency EFI In-Line Fuel Pump
Increase performance capabilities with extra flow for higher powered engines.

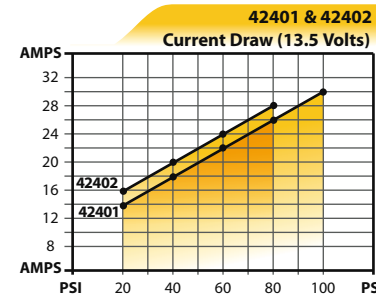
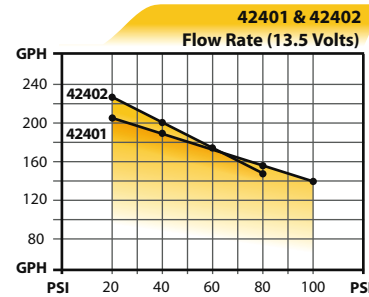


41403 CARBURETED
RATED UP TO **1800HP**
200 GPH @ 20 PSI

Model 41403 Carbureted In-Line Fuel Pump
Get a high amount of flow with this pump made for carbureted and lower pressure applications.

42401
RATED UP TO **1500HP**
170 GPH @ 45 PSI

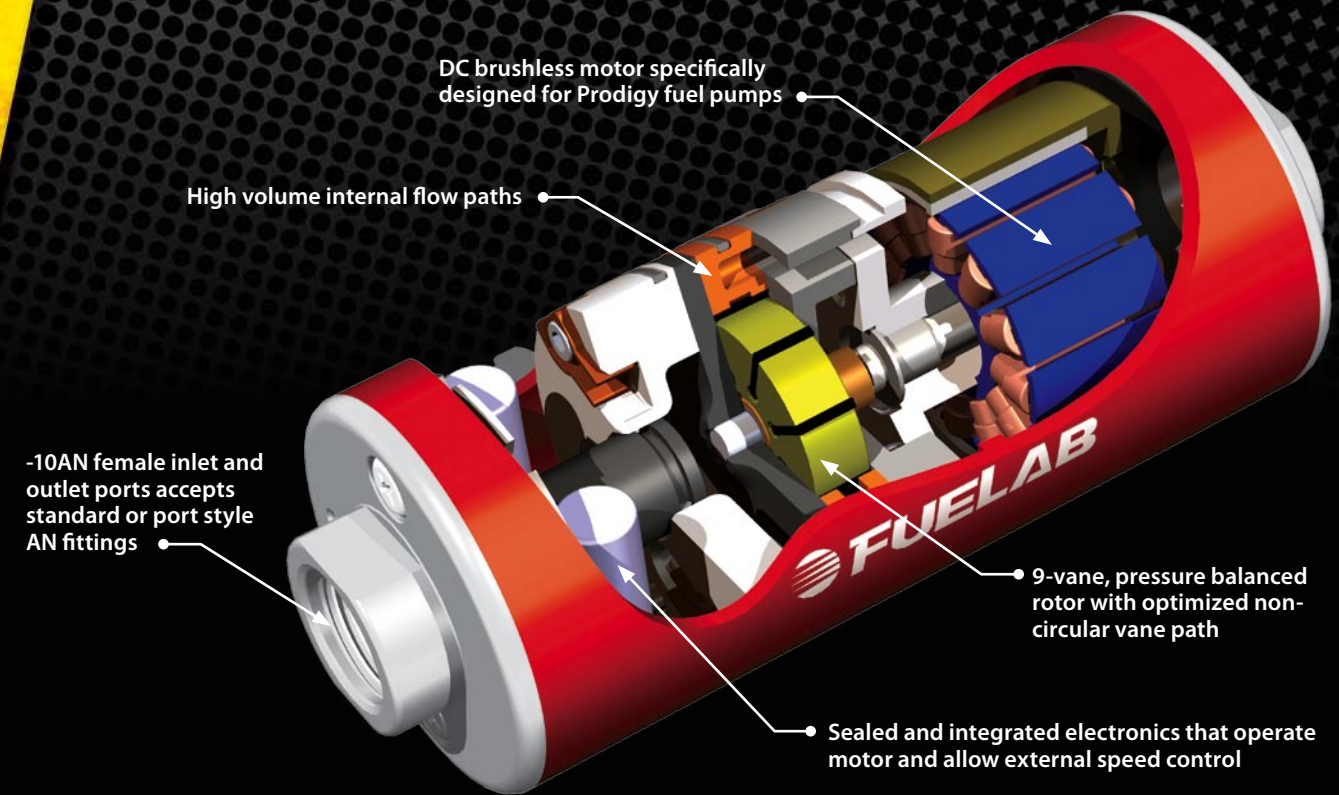
Model 42401 High Pressure EFI In-Line Fuel Pump
Throw in as much boost as you want, this model will support up to 1500 horsepower at high pressures.



42402
RATED UP TO **1800HP**
190 GPH @ 45 PSI

Model 42402 High Power EFI In-Line Fuel Pump
The top of the line... supports very high horsepower!

ALL PRODIGY FUEL PUMPS ARE GASOLINE, DIESEL, METHANOL, AND ETHANOL COMPATIBLE.
NOW YOU CAN **SUPPORT BIG POWER** WITHOUT A BELT DRIVEN PUMP.

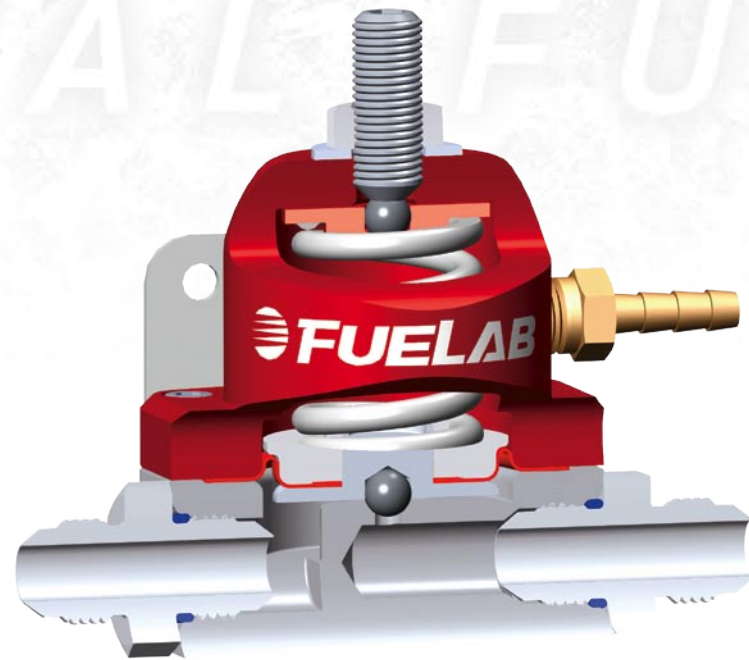


FUEL PRESSURE REGULATORS

FUELAB™ 515/525 Series Fuel Pressure Regulators are designed with performance and flexibility in mind. They accept port style and non-port style union fittings without interference. Several configurations are available, supporting carbureted applications as low as 1 PSID to fuel injected applications up to 125 PSID. The 515 Series Fuel Pressure Regulator has a -6AN return port located on the bottom. The 525 Series has its return port in-line with the inlet port (not on the bottom) which allows for easy installation in extremely tight locations.

FEATURES:

- Gasoline, diesel, methanol, and ethanol fuel compatible
- Billet Aluminum with anodize per military MIL-A-8625, Type II
- Fine thread pitch for precise pressure adjustment
- Versatile mounting bracket and stainless steel hardware
- 1/8" NPT gauge port with plug for external pressure gauge
- 1/8" NPT pressure reference port with barbed fitting
- Backed by a 2-year limited warranty



515xx REGULATOR
HIGH HORSEPOWER

➤ Two -6AN or -10AN inlet ports and one -6AN return port

Product No.	Inlet	Seat Size	Pressure Range
51501-C	-10AN	Standard	EFI 25-90 PSID
51502-C	-6AN	Standard	EFI 25-90 PSID
51503-C	-10AN	Large	CARB 4-12 PSID
51504-C	-6AN	Large	CARB 4-12 PSID
51505-C-S-P	-10AN	Custom	Custom
51506-C-S-P	-6AN	Custom	Custom

525xx IN-LINE
EASY FIT REGULATOR

➤ Easy installation in extremely tight locations
➤ -6AN inlet and -6AN return port in-line

Product No.	Inlet	Seat Size	Pressure Range
52501-C	-6AN	Standard	EFI 25-90 PSID
52502-C	-6AN	Large	CARB 4-12 PSID
52503-C-S-P	-6AN	Custom	Custom

Please Note: Fuel fittings are not included (sold separately).

PRESSURE OPTIONS

For a custom Fuel Pressure Regulator please refer to these options and select (S) Seat Size and (P) Pressure Range.

Seat Size

- S Standard seat (return orifice)
- L Large seat (return orifice)

Pressure Range

- L 1-3 PSID (approximate)
- C 4-12 PSID (approximate)
- T 10-25 PSID (approximate)
- E 25-90 PSID (approximate)
- G 90-125 PSID (approximate)

COLOR OPTIONS

Actual colors may vary.

- 1 Black / Black
- 2 Red / Clear
- 3 Blue / Clear
- 4 Purple / Clear
- 5 Gold / Black
- 6 Green / Clear



Fine thread pitch on adjustment hardware for precise pressure adjustment

Assortment of pressure ranges, springs are universal across the entire product line

Lightweight fluorosilicone diaphragm assembly reduces hydraulic pressure fluctuations

Port style fittings are recommended for reduced pressure drop

-6AN return port is located on the bottom (525 series return port is in-line with inlet)

Hardened precision steel ball pressed into spring guide maintains consistent spring positioning for repeatable pressure settings

1/8" NPT port accommodates wide range of plumbing options
Strong barbed fitting included

AN or military o-ring style fittings provide reliable leak-free performance

Accepts non-port style union fittings without any interference

IN-LINE FUEL FILTERS

FUELAB™ In-Line Fuel Filters keep your engine running clean. They feature male AN / 37° Flared fitting end caps, so you can attach them directly to other fuel system components*. Also featured are machined internal radii for minimal pressure drop. The compact 818 Series Fuel Filter includes a 3 inch element. For greater flow capacity and increased filtration the larger 828 Series Fuel Filter is equipped with a 5 inch element.

*With AN female ports. O-ring required. Consult component manufacturer's port specifications.

FEATURES:

- Gasoline, diesel, methanol, and ethanol fuel compatible
- Billet Aluminum with anodize per military MIL-A-8625, Type II
- -6AN, -8AN, -10AN or -12AN male inlets and outlets
- Includes low profile saddle clamp mounting bracket(s)
- Replaceable or cleanable filter element
- 200 PSIG maximum pressure rating
- Backed by a 2-year limited warranty



828xx FILTER WITH 5 INCH ELEMENT

- Less pressure drop (works great as a pre-filter)
- Greater flow capacity
- Increased filtration capacity
- Reduced maintenance frequency

818xx FILTER WITH 3 INCH ELEMENT

- Compact design supports 200 GPH

Product No.	Filter Element	Inlet/Outlet
81800-C-I-O	10 micron / Paper	Custom
81801-C	10 micron / Paper	-6AN
81802-C	10 micron / Paper	-8AN
81803-C	10 micron / Paper	-10AN
81804-C	10 micron / Paper	-12AN
81810-C-I-O	40 micron / Stainless Steel	Custom
81811-C	40 micron / Stainless Steel	-6AN
81812-C	40 micron / Stainless Steel	-8AN
81813-C	40 micron / Stainless Steel	-10AN
81814-C	40 micron / Stainless Steel	-12AN
81820-C-I-O	75 micron / Stainless Steel	Custom
81821-C	75 micron / Stainless Steel	-6AN
81822-C	75 micron / Stainless Steel	-8AN
81823-C	75 micron / Stainless Steel	-10AN
81824-C	75 micron / Stainless Steel	-12AN
81830-C-I-O	6 micron / Fiberglass	Custom
81831-C	6 micron / Fiberglass	-6AN
81832-C	6 micron / Fiberglass	-8AN
81833-C	6 micron / Fiberglass	-10AN
81834-C	6 micron / Fiberglass	-12AN

Product No.	Filter Element	Inlet/Outlet
82800-C-I-O	10 micron / Paper	Custom
82801-C	10 micron / Paper	-6AN
82802-C	10 micron / Paper	-8AN
82803-C	10 micron / Paper	-10AN
82804-C	10 micron / Paper	-12AN
82810-C-I-O	40 micron / Stainless Steel	Custom
82811-C	40 micron / Stainless Steel	-6AN
82812-C	40 micron / Stainless Steel	-8AN
82813-C	40 micron / Stainless Steel	-10AN
82814-C	40 micron / Stainless Steel	-12AN
82820-C-I-O	75 micron / Stainless Steel	Custom
82821-C	75 micron / Stainless Steel	-6AN
82822-C	75 micron / Stainless Steel	-8AN
82823-C	75 micron / Stainless Steel	-10AN
82824-C	75 micron / Stainless Steel	-12AN
82830-C-I-O	6 micron / Fiberglass	Custom
82831-C	6 micron / Fiberglass	-6AN
82832-C	6 micron / Fiberglass	-8AN
82833-C	6 micron / Fiberglass	-10AN
82834-C	6 micron / Fiberglass	-12AN

INLET / OUTLET OPTIONS

For a custom Fuel Filter please refer to these options and select (I) Inlet and (O) Outlet flare fitting ends.

- 6 -6AN male 37° flare fitting end
- 8 -8AN male 37° flare fitting end
- 10 -10AN male 37° flare fitting end
- 12 -12AN male 37° flare fitting end

COLOR OPTIONS

Actual colors may vary.

- 1 Black / Black
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- 4 Purple / Clear
- 5 Gold / Black
- 6 Green / Clear



718xx ELEMENT REPLACEMENT FILTER

No.	Filter Size	Replacement Type
71801	3 Inch Element	10 micron / Paper
71802	3 Inch Element	40 micron / Stainless
71803	3 Inch Element	75 micron / Stainless
71804	3 Inch Element	6 micron / Fiberglass
71805	5 Inch Element	10 micron / Paper
71806	5 Inch Element	40 micron / Stainless
71807	5 Inch Element	75 micron / Stainless
71808	5 Inch Element	6 micron / Fiberglass

10 micron / Paper Element (Cellulose)

The most economical and commonly used element. It is disposable yet provides excellent filtration. Compatible with Gasoline and Diesel only.

40 micron / Stainless Steel Element

Made for harsh racing conditions and ultimate fuel compatibility. It is cleanable and does not necessarily require replacement for maintenance.

75 micron / Stainless Steel Element

This filter element should only be used as a pre-filter for fuel pumps*. It helps prevent pump cavitation with an extremely low pressure drop.

6 micron / Micro-Fiberglass Element

Our most advanced filter element provides extra particle protection and reduces maintenance requirements with improvements in filter efficiency. This element is disposable and not to be cleaned.

*A finer micron rated element is recommended to protect injectors and carburetors downstream of fuel pump.

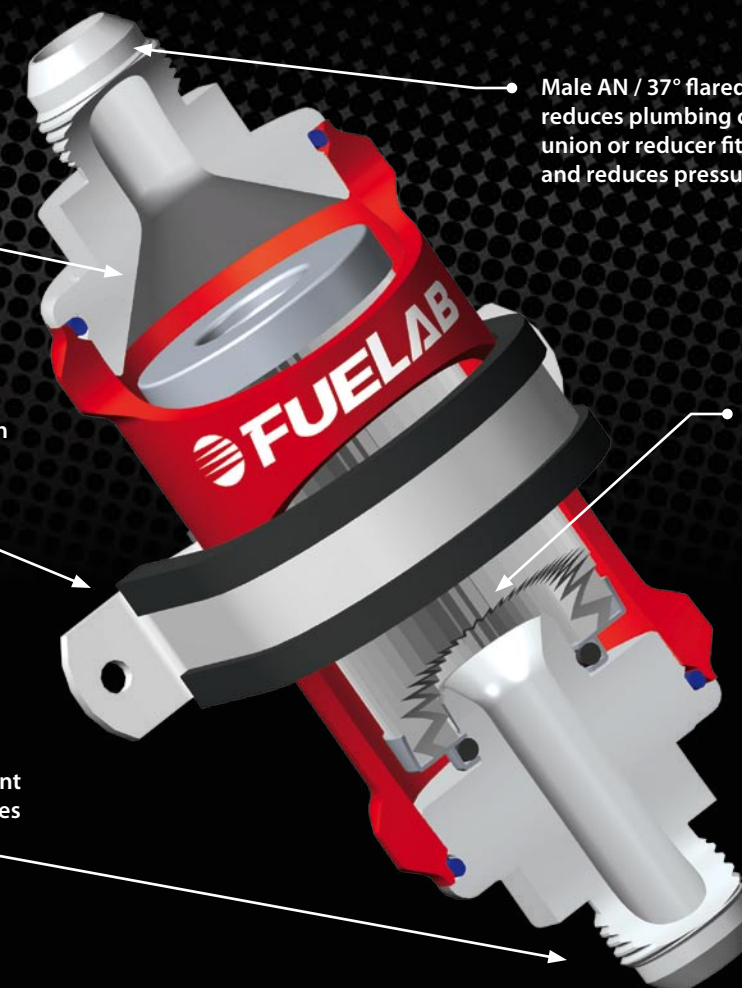
Machined internal radii for flow paths reduces pressure drop

Male AN / 37° flared fitting ends reduces plumbing costs (no extra union or reducer fittings required) and reduces pressure drop

Low profile saddle clamp with cushion minimizes the space required for mounting in tight locations

Easy to clean or replace filter using standard wrench and bench vise, no luck required

Inlet and outlet end caps can easily be swapped for different caps (-6, -8, -10 and -12AN sizes are available)



ORDERING: Operating hours are Monday through Friday, 8:00 AM to 5:00 PM Central Time. We can be phoned Toll Free in North America at (800) 541-2345, Worldwide at (217) 324-3737, orders can be faxed to 217-324-3717 or email us at info@fuelab.com.

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 Card.

SHIPPING: FOB Litchfield, IL. We ship UPS 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.

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.

WARRANTY CLAIMS: FUELAB™ warrants that products sold under terms of our limited warranty will be free from defects in material and workmanship for a period of (2) years from the date of purchase to the original purchaser. Merchandise returned for inspection or repair must be sent prepaid and insured. Warranty claims must include senders name and address, an explanation of the problem, a return material authorization 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.

PRICES: Prices are subject to change without notice.

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

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