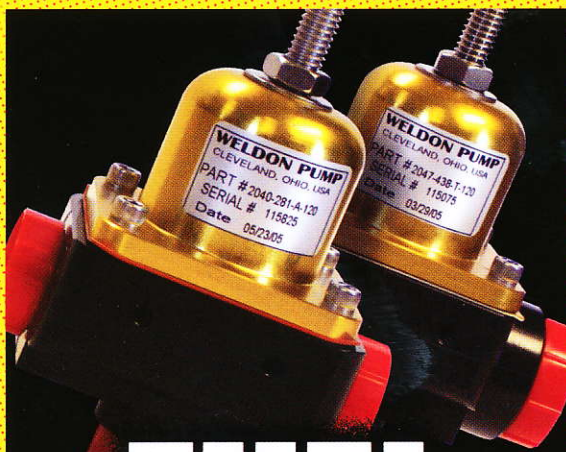
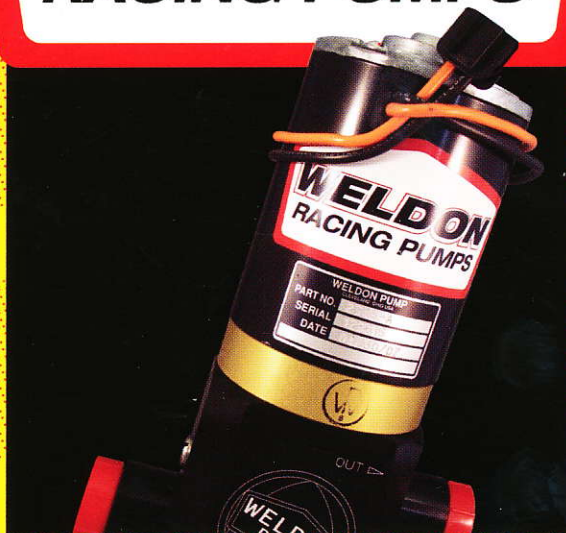


WELDON

RACING PUMPS



FUEL

YOUR

PERFORMANCE

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FUEL PUMPS & ACCESSORIES CATALOG



TABLE OF CONTENTS

Fuel Pumps Maximum HP is Based on Gasoline, see individual page for max HP on Methanol

Maximum HP	GPH/PSI Range	Part Number	Considerations	Pg #
600 hp Inj/700 hp Carb	55-80 GPH/0-95 PSI	600-A (-6 inlet & -8 outlet)	o If your actual horsepower is close to the Max HP limit and/or you are considering a power adder, see P/N A2005-A on Pg 6	4
Internal Pressure Relief Valve 600 hp Inj/600 hp Carb	75-100 GPH/0-70 PSI 95-100 GPH/0-5 PSI	A2007-A (-8 inlet & outlet) A2011-A (-8 inlet & outlet)	If your actual horsepower is close to the Max HP limit and/or you are considering a power adder, see P/N A2005-A on Pg 6, P/N D2032-A & P/N D2033-A on Pg 8	5
650 hp Inj/800 Carb	65-90 GPH/0-90 PSI	A2005-A (-8 inlet & outlet)	If your actual horsepower is close to the Max HP limit and/or you are considering a power adder, see 2015 series on Pg 7	6
1000 hp Inj/1050 hp Carb	85-115 GPH/0-160 PSI	D2015-A (-8 inlet & outlet) DB2015-A (-12 inlet, -10 outlet)	If your actual horsepower is close to the Max HP limit and/or you are considering a power adder, see 2025 series on Pg 9	7
Internal Pressure Relief Valve 1400 hp Inj/1600 hp Carb	140-180 GPH/0-70 PSI 180-190 GPH/0-10 PSI	D2032-A (-8 inlet & outlet) D2033-A (-8 inlet & outlet)	If your actual horsepower is close to the Max HP limit and/or you are considering a power adder, see P/N 2345-A on Pg 11	8
1400 hp Inj/1600 hp Carb	140-180 GPH/0-80 PSI	D2025-A (-8 inlet & outlet) DB2025-A (-12 inlet, -10 outlet) USCG Certified	If your actual horsepower is close to the Max HP limit and/or you are considering a power adder, see P/N 2345-A on Pg 11, P/N D2035-A on Pg 10	9
1800 hp Injected	180-210 GPH/0-80 PSI	D2035-A (-12 inlet, -10 outlet)	Intermittent duty (You may want to consider next size pump P/N 2345A on Pg 11)	10
2000 hp 14V EFI 2400 hp 16.5V EFI	200-250 GPH/0-75 PSI	2345-A (-12 inlet, -10 outlet)	If your actual horsepower is close to the Max HP limit and/or you are considering a power adder, see P/N 16000 on Pg 12.	11
2000 hp 14V Carb Pro Stock Pump	340-370 GPH/0-30 PSI	B2311-A (-12 inlet, -10 outlet)	If your actual horsepower is close to the Max HP limit and/or you are considering a power adder, see P/N 16000 on Pg 12 If converting to Fuel Injection please see P/N 2345-A on Pg 11 or P/N 16000-A on Pg 12	11
4800 hp 16.5V	7.5-9 GPM/0-110 PSI	16000-A (-16 inlet, -12 outlet)	Weldon's largest electric pump	12
14000 Dial-A-Flow fuel pump controller • 16000-AC Variable speed dyno pump • TC250-100 Clamp (2.5" clamp)				13

Regulators / Bypass and Blocking

Size of Orifice in Inches	Part Number	Pg #
.281"	A2040 Series USCG Certified for Marine use!	14
.438" High Flow	2047 Series	14
Blocking Regulators, 2046 Series		14

Fuel Filters

Micron Rating	Part Number	Pg #
10 Micron Outlet 40 Micron Inlet	WEQ1210 WEQ1240	15 15

Oil Transfer, Gear Lube, ATF, Turbo Lube, Etc.

Part Number	Pg #
9200-A: Internal Pressure Relief Valve	16
K9200-A: Kit includes 9200-A, mounting clamp and thermocouple switch	16
B8009-A	16
A8019-A	16

Kits

HP	Name	Contents	Pg #
650 EFI 800 Carb	Street Combo kit	A2005-A Pump, A2040 Regulator	17
1000 EFI 1050 Carb	Road & Track Combo Kit	DB2015-A Pump, A2040 Regulator, 14000 Controller	17
1400 EFI 1600 Carb	Street & Strip Combo Kit	DB2025-A Pump, A2040 Regulator, 14000 Controller	17

Service Kits Why buy a service kit? See pg 14.

Name	Corresponding Part Numbers	Pg #
Coupling kits	D2015-A, DB2015-A, D2025-A, DB2025-A, 2345-A, B2311-A, D2035-A, D2032 & D2033	17
O-Ring Kits	All 2000 Series Pumps	17
Valve Kits	All 2000 Series Pumps with Internal Relief Valves	17
14000 wiring harness	14000 Controller	17

Reference

Reference Charts	Conductor Sizes, Port & Line Sizes, Max Flow Info	18
Fuel System Diagrams	Recommendations for Carb and EFI fuel systems	18
New Products		18

FUEL YOUR PERFORMANCE





FUEL PUMPS

600-A



Ideal Fuel Pump for Street Rods, Muscle Cars, Imports/Tuners, and Off Road Trucks

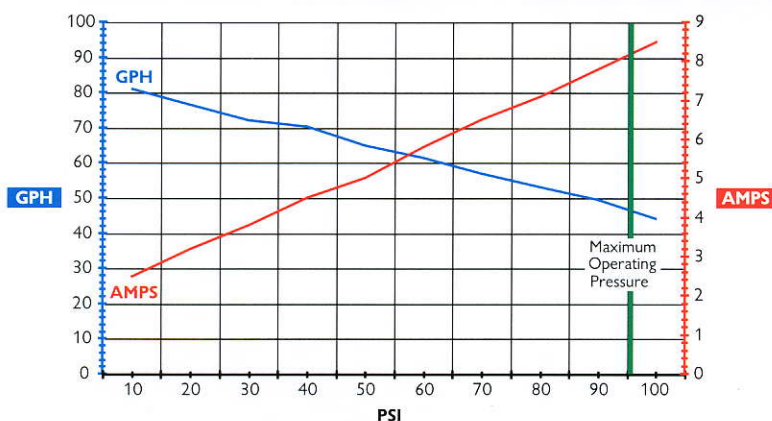


Maximum Horsepower

- For injected engines up to 600 hp
- For carbureted engines up to 700 hp



600-A @ 14VDC on gasoline



Each Weldon Pump is shipped with a unique serial number and performance chart



Current Fluids

Compatible with gasoline



Comments

Requires appropriate bypass regulator; a -6 return line is recommended. See pg 14

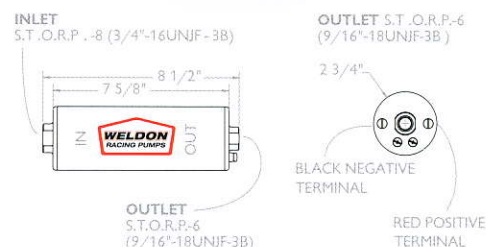


Features

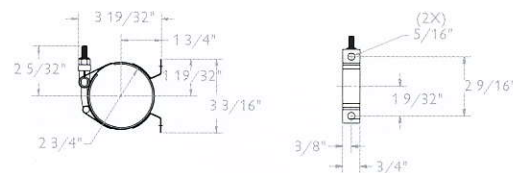
- Extremely quiet
- Smooth, precise fuel delivery
- Extremely low current draw
- Self Priming
 - Pump may be mounted above fuel cell
 - Vertical or horizontal mount
- All internal wear components are 100% metallic
 - No plastics or composite materials are used in the 600-A pump. This results in the longest lasting, highest quality, most durable flow through pump available.
- The housing is made from corrosion resistant 304 brushed stainless steel
- Weldon anodized gold billet end caps with No-Leak seals.
- -8 inlet and -6 outlet leak free o-ring ports
- 5.25 lbs
- Two stainless steel T-bolt style clamps included with each pump
- Long life, continuous duty



Dimensions



Clamp Included



Compatible Weldon Pump Products



2046 Blocking Regulator, Pg 14



A2040 Bypass Regulator, Pg 14



10 & 100 Micron Filters, Pg 15

- We offer free expert fuel system consultation
- We can design a custom pump for your application if your requirements are not listed in this catalog. Call or e-mail to discuss!

1100 Flow Through

*Having trouble maintaining
fuel pressure?*

*Is your fuel pump supplying
the correct volume for your
engines actual horsepower?*

Is your pump quiet enough?

*Is your fuel pump lasting as
long as you expect it to?*



Phone: 440-232-2282

Fax: 440-232-0606

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Supports up to 1200 horsepower

-10 ports

Stainless, leak proof terminals

2 stainless mounting clamps included

Same diameter as our popular 600-A

Quiet

Priced to sell, built to last!



**Ideal pump for hi-performance boats
and off-road vehicles**



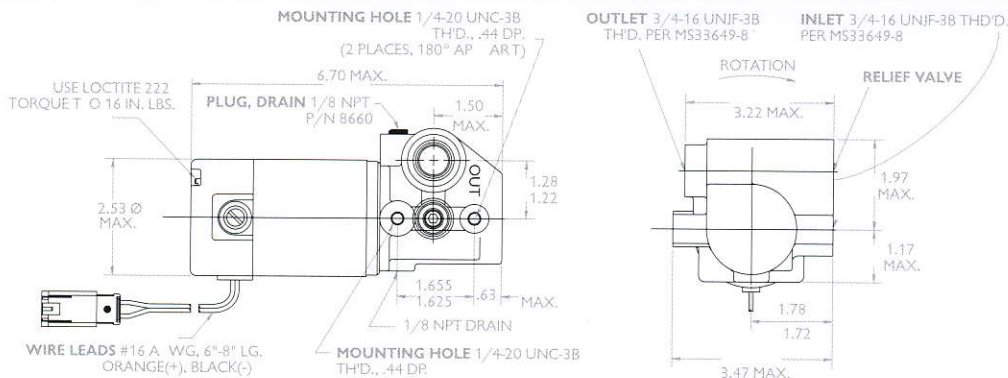
A2007-A / A2011-A

HIGH PRESSURE LOW PRESSURE

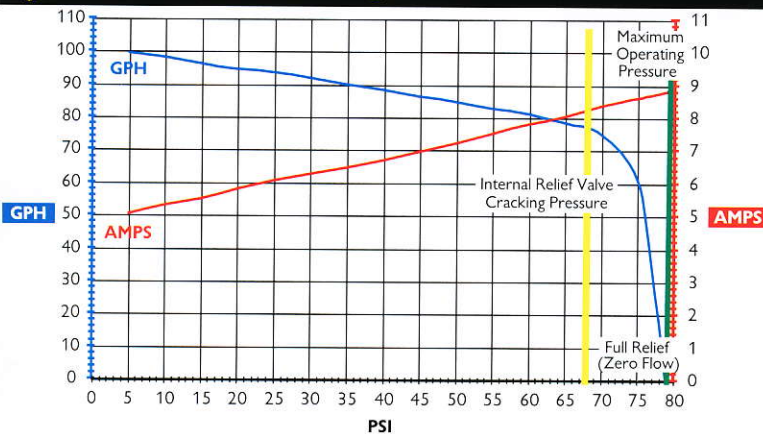
Maximum Horsepower

- **A2007-A** (High Pressure) (-8 inlet & outlet) For **EFI engines** up to 600 hp (300 hp on Methanol)
- **A2011-A** (Low Pressure) (-8 inlet & outlet) For **carbureted engines** up to 600 hp (300 hp on Methanol)

Dimensions



A2007-A @ 14VDC on gasoline



Each Weldon Pump is shipped with a unique serial number and performance chart

Features

- Internal pressure relief valve
- Light weight cast housing
- All cast body pumps are 100% serviceable/repairable
- A2007-A is compatible with stock bypass valve
- Precise fuel delivery
- Self Priming
 - Vertical or horizontal mount
- All internal wear components are 100% metallic
 - No plastics or composite materials. Our internal pumping elements are made of high speed tool steel and bronze. This results in the longest lasting, highest quality, most durable pumps available.
- Long life
- Blades self-compensating for wear
- Continuous duty

Current Fluids

Weldon Pumps offer the widest range of fuel compatibility.

- Gasoline
- Methanol
- Nitro methane
- Diesel
- Ethanol
- All racing fuels

Comments

The A2011-A requires appropriate blocking regulator while the 2007 requires the appropriate bypass valve with a -6 return line. See pg 14

Compatible Weldon Pump Products



14000 Pump Controller, Pg 13



2046 Blocking Regulator, Pg 14



A2040 Bypass Regulator, Pg 14



40 & 10 Micron Filters, Pg 15

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FUEL PUMPS

A2005-A

(-8 inlet & outlet)



Ideal Fuel Pump for Street/Strip, Bracket Racing, Road Racing, Vintage Road Race, and Hi-Performance Boats



Maximum Horsepower

- 650 hp @ 14V EFI (325 hp on Methanol)
- 800 hp @ 14V Carb (400 hp on Methanol)

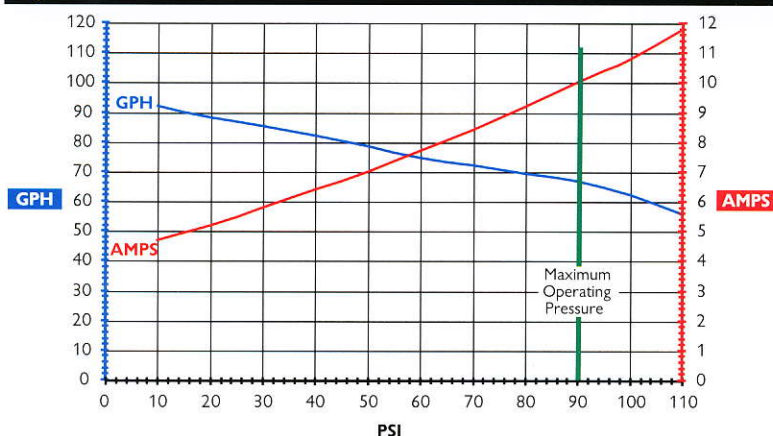


Features

- All billet body pumps are 100% serviceable/repairable
- Self Priming
 - Pump may be mounted above fuel cell
 - Vertical or horizontal mount
- All internal wear components are 100% metallic
 - No plastics or composite materials. Our internal pumping elements are made of high speed tool steel and bronze. This results in the longest lasting, highest quality, most durable pumps available.
- Body machined from billet aluminum
- For carbureted and injected engines
- Provides Consistent Performance with no fall-off in flow
- Precise fuel delivery
- Blades self-compensating for wear
- 4.4 lbs



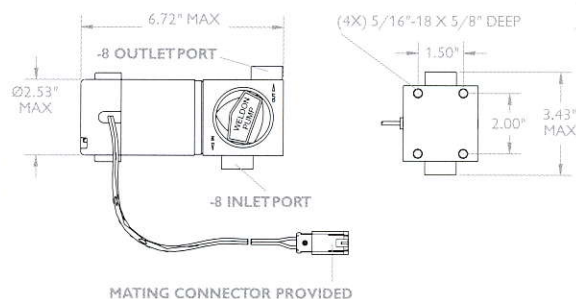
A2005-A @ 14VDC on gasoline



Each Weldon Pump is shipped with a unique serial number and performance chart



Dimensions



Current Fluids

Weldon Pumps offer the widest range of fuel compatibility.

- Gasoline
- Methanol
- Nitro methane
- Diesel
- Ethanol
- All racing fuels



Comments

Requires appropriate bypass regulator; a -6 return line is recommended. See pg 14



Compatible Weldon Pump Products



14000 Pump Controller, Pg 13



2046 Blocking Regulator, Pg 14



A2040 Bypass Regulator, Pg 14



40 & 10 Micron Filters, Pg 15

- We offer free expert fuel system consultation
- We can design a custom pump for your application if you requirements are not listed in this catalog. Call or e-mail to discuss!

This pump is ideal for
Hi-performance EFI
Street/Strip cars

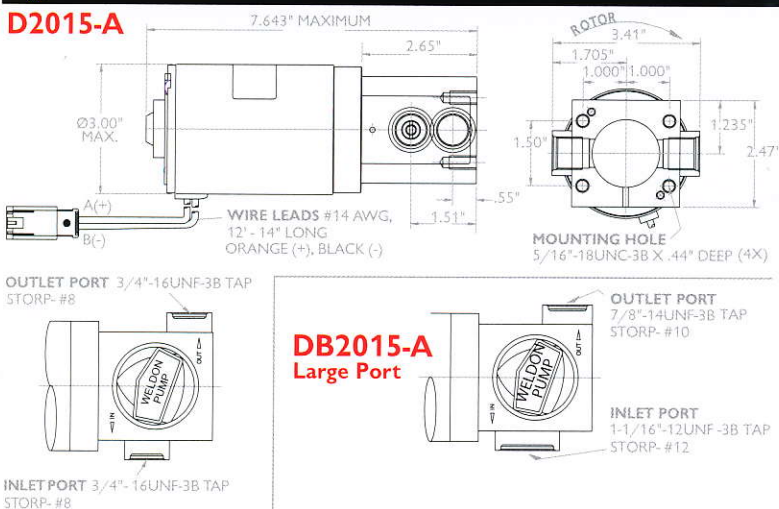


D2015-A / DB2015-A

(-8 Inlet and Outlet)

(-12 Inlet and -10 Outlet)

Dimensions



• The prefix **D** represents smaller ports. Ideal for road racing

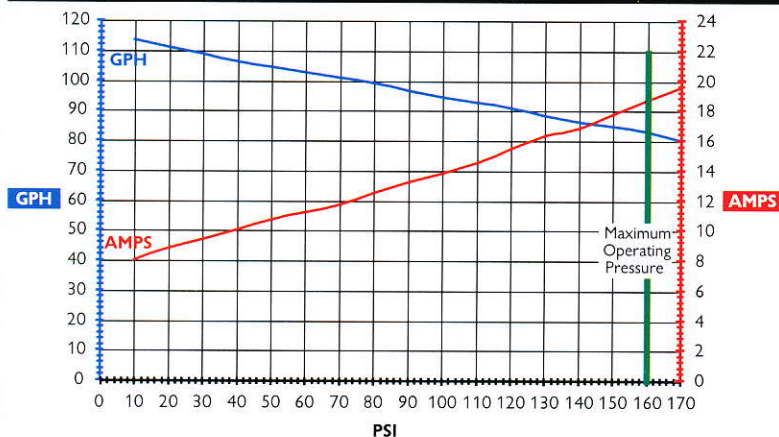
• The prefix **DB** represents larger ports. Ideal for Street/Strip or drag racing

Maximum Horsepower

- 1000 hp @ 14 V EFI (500 hp on Methanol)
- 1050 hp @ 14 V Carb (525 hp on Methanol)



2015 Series @ 14 VDC on gasoline



Features

- All billet and cast body pumps are 100% serviceable/repairable
- Self Priming
 - Pump may be mounted above fuel cell
 - Vertical or horizontal mount
- Breakaway coupling prevents pump/motor damage in the event of contamination, see pg 17
- All internal wear components are 100% metallic
 - No plastics or composite materials. Our internal pumping elements are made of high speed tool steel and bronze. This results in the longest lasting, highest quality, most durable pumps available.
- Body machined from billet aluminum
- For carbureted or injected engines
- Provides Consistent Performance with no fall-off in flow
- Precise fuel delivery
- Blades self-compensating for wear
- 5.5 lbs

Current Fluids

Weldon Pumps offer the widest range of fuel compatibility.

- Gasoline
- Methanol
- Nitro methane
- Diesel
- Ethanol
- All racing fuels

Comments

Requires appropriate bypass regulator, a -6 return line at a minimum is recommended. See pg 14

Compatible Weldon Pump Products



I4000 Pump Controller, Pg 13



2046 Blocking Regulator, Pg 14



A2040 Bypass Regulator, Pg 14



40 & 10 Micron Filters, Pg 15



O-ring Kit & Coupling Kit, Pg 17

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FUEL PUMPS

D2032-A / D2033-A



Ideal Fuel Pump for
Hi-performance powerboats

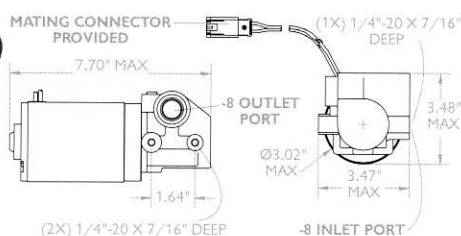


Maximum Horsepower

- **D2032-A** (-8 inlet and outlet) 1400 hp @ 14V for EFI engines (700 hp on Methanol)
- **D2033-A** (-8 inlet and outlet) 1600 hp @ 14V for Carb engines (800 hp on Methanol)



Dimensions

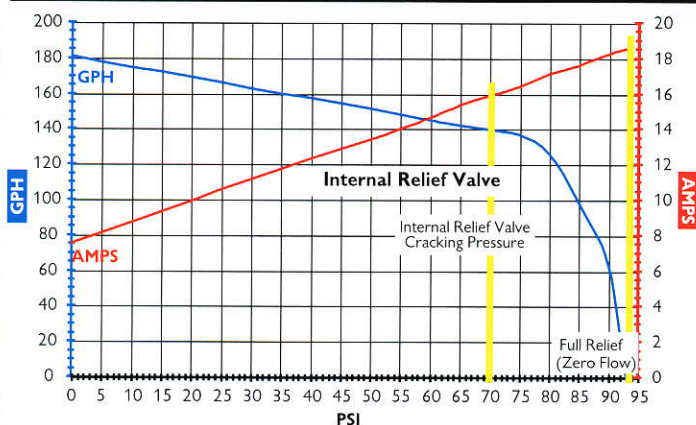


Features

- **Internal relief valve**
- **All cast body pumps are 100% serviceable/repairable**
- **Self Priming**
 - Pump may be mounted above fuel cell
 - Vertical or horizontal mount
- **Breakaway coupling prevents pump/motor damage in the event of contamination, see pg 17**
- **All internal wear components are 100% metallic**
 - No plastics or composite materials. Our internal pumping elements are made of high speed tool steel and bronze. This results in the longest lasting, highest quality, most durable pumps available.
- **For carbureted and injected engines**
- **Precise fuel delivery**
- **Provides Consistent Performance with no fall-off in flow**
- **Blades self-compensating for wear**



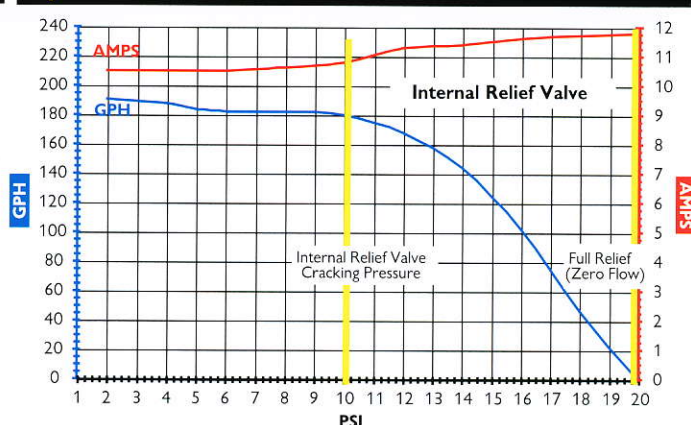
D2032-A @ 14VDC on gasoline



Each Weldon Pump is shipped with a unique serial number and performance chart



D2033-A @ 14VDC on gasoline



Each Weldon Pump is shipped with a unique serial number and performance chart



Current Fluids

Weldon Pumps offer the widest range of fuel compatibility.

- Gasoline
- Methanol
- Nitro methane
- Diesel
- Ethanol
- All racing fuels



Comments

D2032-A requires appropriate bypass regulator; a -8 return line is recommended.
D2033-A requires a 2046 Blocking Regulator. See pg 14.



Compatible Weldon Pump Products



14000 Pump Controller, Pg 13



2046 Blocking Regulator, Pg 14



A2040 Bypass Regulator, Pg 14



40 & 10 Micron Filters, Pg 15



O-ring Kit & Coupling Kit, Pg 17

- We offer free expert fuel system consultation
- We can design a custom pump for your application if your requirements are not listed in this catalog. Call or e-mail to discuss!

Ideal pump for NSCA, NMCA, NMRA, PSCA "Small-Tire" classes, Street/Strip, Outboard Drag Boats and Off-Shore Powerboats

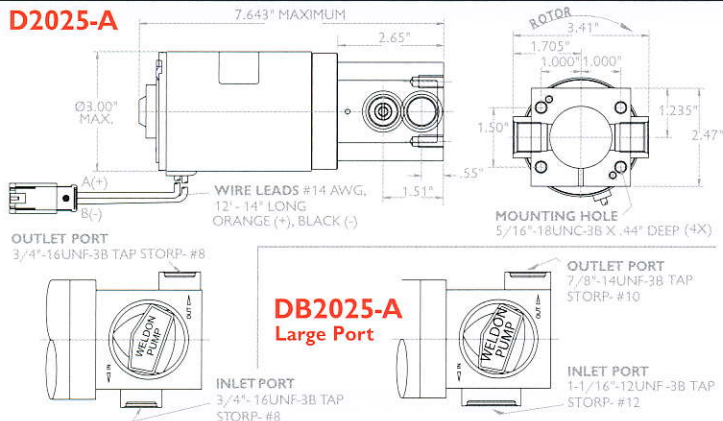
USCG APPROVED FOR MARINE USE!



D2025-A / DB2025-A

(-8 Inlet and Outlet) (-12 Inlet and -10 Outlet)

Dimensions



• The prefix D represents smaller ports. Ideal for road racing

• The prefix DB represents larger ports. Ideal for Street/Strip or drag racing

Maximum Horsepower

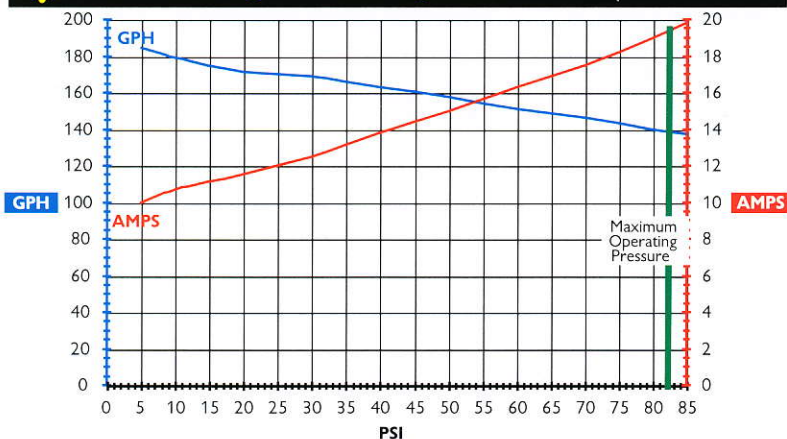
- 1400 hp @ 14V EFI (700 hp on Methanol)
- 1600 hp @ 14V Carb (800 hp on Methanol)



Features

- All billet pumps are 100% serviceable/repairable
- Self Priming
 - Pump may be mounted above fuel cell
 - Vertical or horizontal mount
- Breakaway coupling prevents pump/motor damage in the event of contamination, see pg 17
- All internal wear components are 100% metallic
 - No plastics or composite materials. Our internal pumping elements are made of high speed tool steel and bronze. This results in the longest lasting, highest quality, most durable pumps available.
- Body machined from billet aluminum
- For carbureted or injected engines
- Provides Consistent Performance with no fall-off in flow
- Precise fuel delivery
- Blades self-compensating for wear

2025 Series @ 14VDC on gasoline



Current Fluids

Weldon Pumps offer the widest range of fuel compatibility.

- Gasoline
- Diesel
- Methanol
- Ethanol
- Nitro methane
- All racing fuels

Comments

Requires appropriate bypass regulator, a -8 return line at a minimum is recommended. See pg 14

Compatible Weldon Pump Products



14000 Pump Controller, Pg 13



2046 Blocking Regulator, Pg 14



A2040 Bypass Regulator, Pg 14



40 & 10 Micron Filters, Pg 15



O-ring Kit & Coupling Kit, Pg 17

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FUEL PUMPS

D2035-A



Ideal Pump for most Heads-up 10.5 classes where power-adders are used

(-12 inlet and -10 outlet) Intermittent Duty

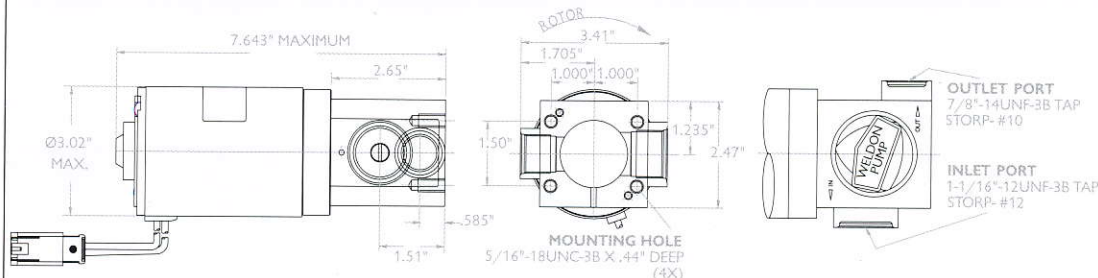


Maximum Horsepower

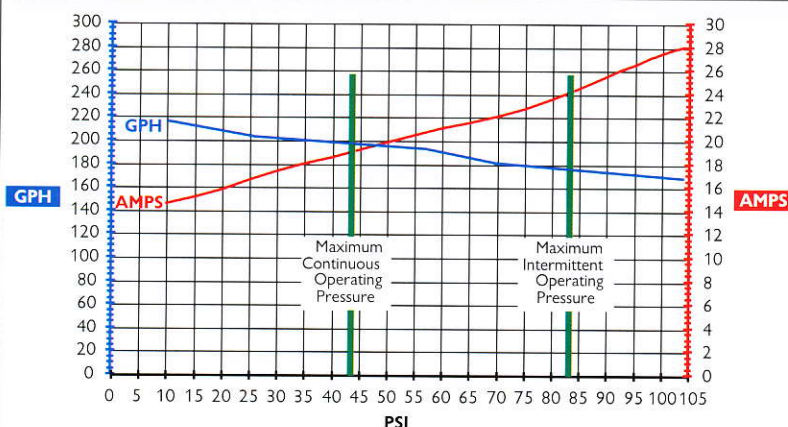
1800 hp @ 14 V, EFI and Carb engines (900 hp on Methanol)



Dimensions



D2035-A Series @ 14 VDC on gasoline



Each Weldon Pump is shipped with a unique serial number and performance chart



Features

- All billet pumps are 100% serviceable/repairable
- Self Priming
 - Pump may be mounted above fuel cell
 - Vertical or horizontal mount
- Breakaway coupling prevents pump/motor damage in the event of contamination, see pg 17
- All internal wear components are 100% metallic
 - No plastics or composite materials. Our internal pumping elements are made of high speed tool steel and bronze. This results in the longest lasting, highest quality, most durable pumps available.
- Body machined from billet aluminum
- For carbureted and injected engines
- Provides Consistent Performance with no fall-off in flow
- Precise fuel delivery
- Blades self-compensating for wear
- 5.5 lbs



Current Fluids

Weldon Pumps offer the widest range of fuel compatibility.

- Gasoline
- Methanol
- Nitro methane
- Diesel
- Ethanol
- All racing fuels



Comments

Requires appropriate bypass regulator, a -8 return line at a minimum is recommended. See pg 14



Compatible Weldon Pump Products



2046 Blocking Regulator, Pg 14



A2040 Bypass Regulator, Pg 14



2047 Bypass Regulator, Pg 14



40 & 10 Micron Filters, Pg 15



O-ring Kit & Coupling Kit, Pg 17

- We offer free expert fuel system consultation
- We can design a custom pump for your application if your requirements are not listed in this catalog. Call or e-mail to discuss!

Ideal pump for Pro Stock, Pro Modified, Pro/Outlaw Street and any Extreme power-adder heads-up class



2345-A / B2311-A

Fuel Injected Engines
(-12 inlet and -10 outlet)

Carbureted Engines
(-12 Inlet and -10 Outlet)



Maximum Horsepower

EFI 2345-A - 2000 hp @ 14VDC (1000 hp on Methanol) • 2400 hp @ 16.5 VDC (1200 hp on Methanol)
Carb B2311-A - 3200 hp @ 14VDC (1600 hp on Methanol)

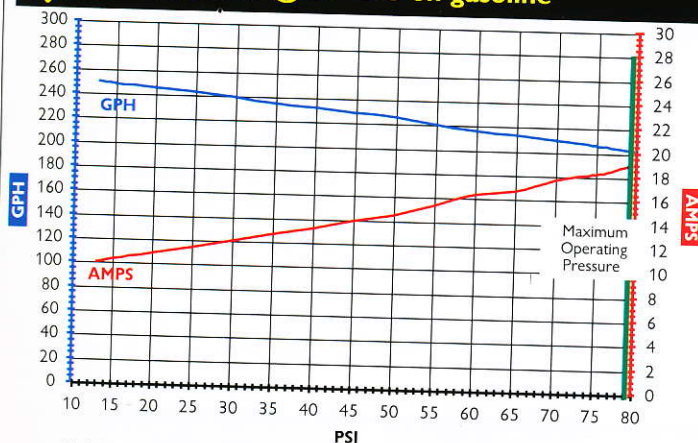
2345-A Features

- All billet pumps are 100% serviceable/repairable
- Self Priming
 - Pump may be mounted above fuel cell
 - Vertical or horizontal mount
- Breakaway coupling prevents pump/motor damage in the event of contamination, see pg 17
- All internal wear components are 100% metallic
 - No plastics or composite materials. Our internal pumping elements are made of high speed tool steel and bronze. This results in the longest lasting, highest quality, most durable pumps available.
- Body machined from billet aluminum
- For carbureted or injected engines
- Compatible with Weldon A2040 series regulators
- Provides Consistent Performance with no fall-off in flow
- Precise fuel delivery
- Blades self-compensating for wear
- 6 lbs
- Compatible with the 2040 & 2047 see pg 14

B2311-A Features

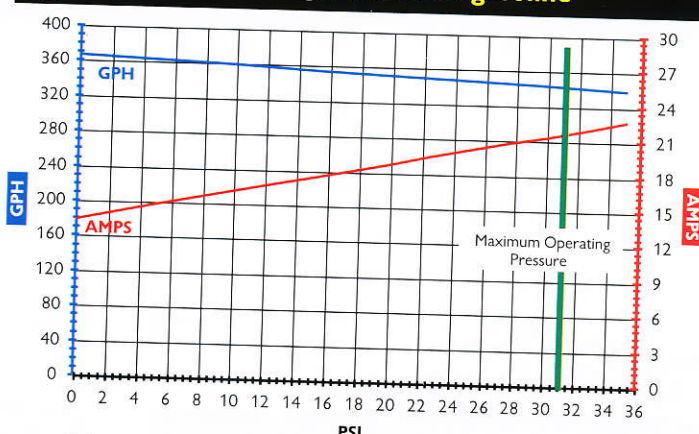
- Ideal for rear mount fuel cells and multiple carb applications
- All billet pumps are 100% serviceable/repairable
- Self Priming
 - Pump may be mounted above fuel cell
 - Vertical or horizontal mount
- Breakaway coupling prevents pump/motor damage in the event of contamination, see pg 17
- All internal wear components are 100% metallic
 - No plastics or composite materials. Our internal pumping elements are made of high speed tool steel and bronze. This results in the longest lasting, highest quality, most durable pumps available.
- Body machined from billet aluminum
- For carbureted engines
- Provides Consistent Performance with no fall-off in flow
- Precise fuel delivery
- Blades self-compensating for wear
- 6 lbs
- Compatible with the 2040 see pg 14

2345-A Series @ 14VDC on gasoline



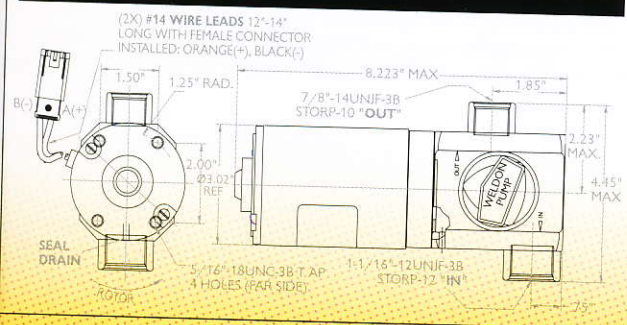
Each Weldon Pump is shipped with a unique serial number and performance chart

B2311-A Series @ 14VDC on gasoline



Each Weldon Pump is shipped with a unique serial number and performance chart

Dimensions



Current Fluids

Weldon Pumps offer the widest range of fuel compatibility.

- Gasoline
- Diesel
- Methanol
- Ethanol
- Nitro methane
- All racing fuels

Comments

Requires appropriate bypass regulator, a -10 return line at a minimum is recommended. See pg 14

Compatible Weldon Products

- I4000 Pump Controller, Pg 13
- A2040 Bypass Regulator, Pg 14
- 2047 High Flow Bypass Regulator, Pg 14
- 2046 Blocking Regulator, Pg 14
- 40 & 10 Micron Filters, Pg 15
- O-ring Kit & Coupling Kit, Pg 17



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Fax: 440.232.0606

E-mail: request@weldonpumps.com

www.weldonracing.com

Excellent for EFI and Carb fuel systems, all hp ranges
and street/strip applications



14000

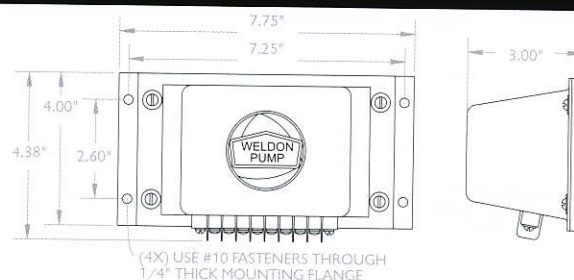
Dial-A-Flow Fuel Pump Controller with installation kit

14000 Features

- Allows user to adjust the volume of fuel flowing through the system - while maintaining preset fuel pressure
- Controls pump speed via pulse width modulation (PWM) at over 12,000 Hz
- Over 64 times the switching frequency of the competition
 - PWM briefly interrupts the current over 12,000 times per second (Hertz) to reduce the RPM of the motor
 - Other popular controllers have a switching frequency between 100 to 200 Hz thereby offering inconsistent fuel delivery and potential motor damage.
- Decrease pump sound level
- Keeps fuel cooler
- Minimizes cavitation
- Prevents vapor lock
- Switch allows user to "toggle" between controlled speed and full speed
- 12-16 Volts Input
- Up to 28 Amps Continuous Duty



Dimensions



16000-AC



Excellent for Dynamometer applications, and Industrial applications

Variable speed Dyno Pump, Special application assistance available. Please call to discuss.



16000-AC Features

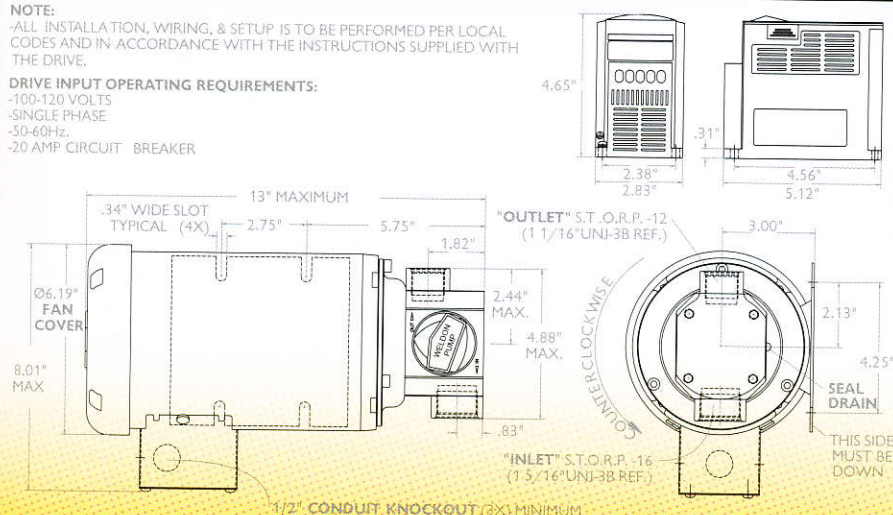
- 100% serviceable/repairable
- Powered by a 3 phase 1 hp motor controlled by a 115 volt variable frequency AC inverter
- Flow range from .5 gpm to 8 gpm @ 0 to 180 psi
- Compatible with all fuels
- Precise fuel delivery
- -16 inlet and -12 outlet
- Sold with a single phase, 115 volt, ac variable frequency inverter drive (just plug it into a standard 115 volt outlet)

Dimensions

NOTE:
-ALL INSTALLATION, WIRING, & SETUP IS TO BE PERFORMED PER LOCAL CODES AND IN ACCORDANCE WITH THE INSTRUCTIONS SUPPLIED WITH THE DRIVE.

DRIVE INPUT OPERATING REQUIREMENTS:

- 100-120 VOLTS
- SINGLE PHASE
- 50-60Hz
- 20 AMP CIRCUIT BREAKER



TC250-100

Clamp (2.5")



Designed to fit any of our small pumps, including the 9200-A, 2005, 2007, 2011 and the filters



Ph: 440.232.2282

Fax: 440.232.0606

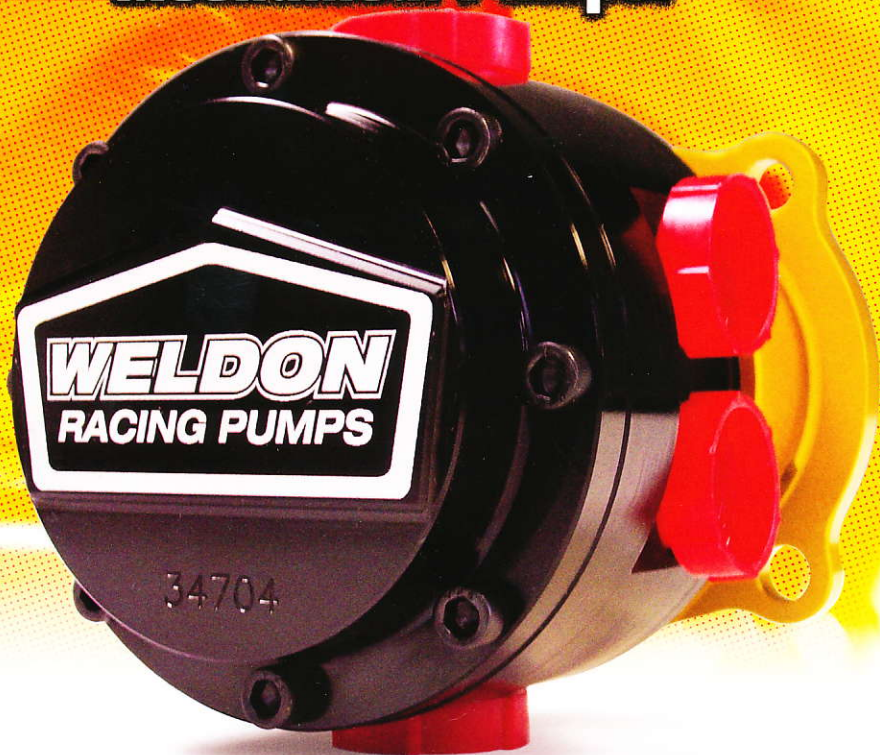
E-mail: request@weldonpumps.com

www.weldonracing.com

Mechanically Advanced!

The most trusted name in Electric Fuel Pump Technology introduces their new line of

Mechanical Pumps!

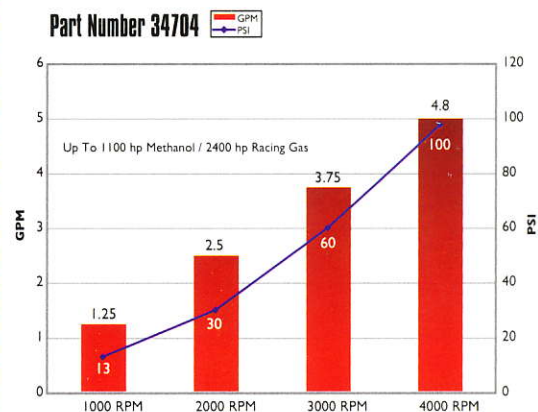


Weldon Mechanical Racing Pump

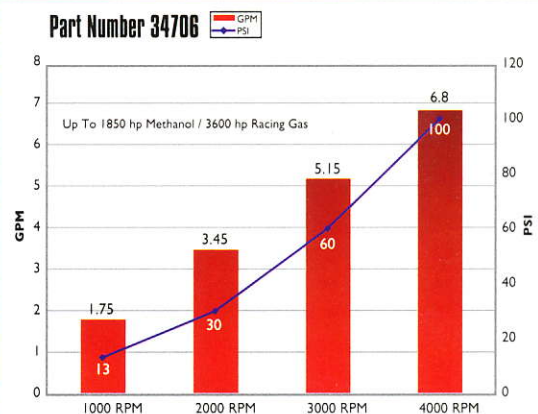
- Multi-directional flange with standard bolt pattern provides for free rotation and precise alignment of ports.
- Easy to mount
- Eliminates electrical system concerns
- May eliminate the need for additional batteries
- Fully compatible with our 2047 High Flow Bypass Regulator
- Tested to ensure accurate performance
- Designed to endure extreme performance requirements

FUEL YOUR PERFORMANCE →

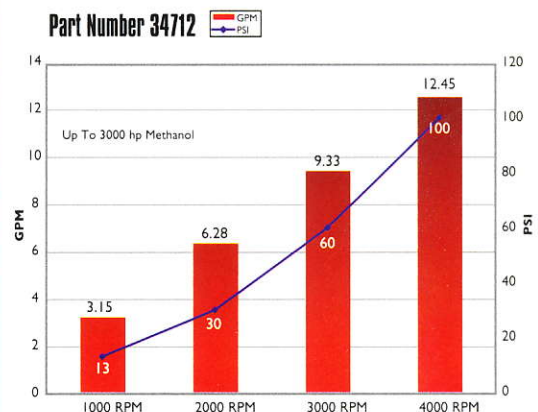
Part Number 34704



Part Number 34706



Part Number 34712



P: 440-232-2282
F: 440-232-0606
www.weldonracing.com

REGULATORS / BYPASS AND BLOCKING

EFI and Carbureted Regulators Kits Available

When ordering please specify:

- Bypass orifice size
- Fuel
- Desired pressure range

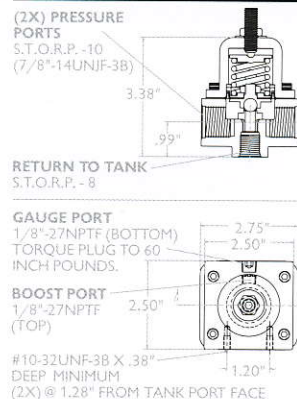
A2040 SERIES

(Bypass Regulators)

USCG Certified for marine use!



Dimensions



Features

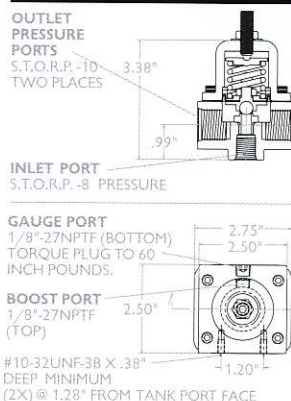
- Fastest response rate
- Provides stable fuel delivery for the most demanding requirements.
- All Weldon Regulators maintain steady fuel delivery during dramatic changes in fuel demand, such as WOT conditions, boost application and gear changes.
- Fully adjustable from 4-200 psi
- .281" bypass orifice
- Hardened steel ball and replaceable steel seat
- Fluorocarbon diaphragm
- Compatible with all racing fuels including nitro methane, ethanol, and methanol.
- 1/8" NPT Gauge Port
- 1/8" NPT manifold pressure reference port
- Fuel pressure increases on a 1:1 ratio with boost
- two -10 pressure ports
- -8 return port
- Replaceable/interchangeable internal components
- User serviceable
- For use with all Weldon Pumps as well as pumps from other manufacturers
- Weldon gold anodized cover

2046 SERIES

(Blocking Regulators)



Dimensions



Features

- Unique Needle and Seat Assembly
- Fluorosilicon Diaphragm
- Fastest response rate
- Provides stable fuel delivery for the most demanding requirements.
- All Weldon Regulators maintain steady fuel delivery during dramatic changes in fuel demand, such as WOT conditions, and gear changes.

2047 SERIES

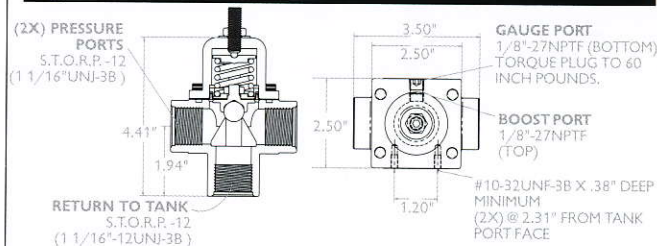
(High Flow Bypass Regulators)

Features

- Teflon® diaphragm with o-ring seal ensures leak free operation
- -12 pressure and return ports
- .438 bypass orifice
- Capable of flowing well over 10 gpm
- Fully adjustable pressure settings
- Same mounting pattern as our popular A2040 series regulator
- Designed to work with electric and engine driven pumps
- Fastest response rate
- Provides stable fuel delivery for the most demanding requirements.



Dimensions



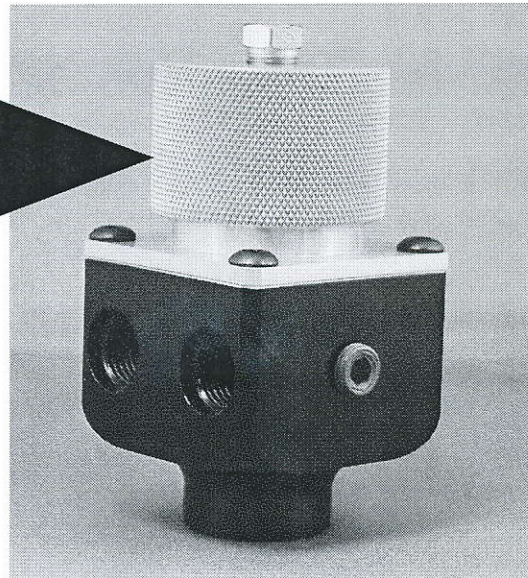
- All Weldon Regulators maintain steady fuel delivery during dramatic changes in fuel demand, such as WOT conditions, boost application and gear changes.
- Compatible with all racing fuels including nitro methane, ethanol and methanol.
- 1/8" NPT manifold pressure reference port
- 1/8" NPT Gauge Port

- Replaceable/interchangeable internal components
- User serviceable
- For use with all Weldon Pumps as well as pumps from other manufacturers
- Weldon gold anodized cover

- We offer free expert fuel system consultation
- We can design a custom pump for your application if your requirements are not listed in this catalog. Call or e-mail to discuss!

4 Port Blocking Regulator

Adjust by
Hand



Phone: 440-232-2282

Fax: 440-232-0606

www.weldonracing.com

Revolutionary Tool-Free pressure adjustment allows for more precise control of base pressure with single hand adjustability.

Stainless Steel Poppet and *Delrin*® seat comprise the most modern cartridge design & allow for the most consistent fuel delivery in the industry.

"Creep" characteristics are unaffected by outlet port configuration, allowing use of as many or as few ports as desired. Can be used in single, dual and split carb'd applications without compromising performance.

Industry Standard Mounting & Port Configuration for easy installation
Largest, least restrictive internal flow chamber.

Valve cartridge has largest flow paths to support higher fuel flows.

Innovative seat design provides smooth & predictable response with the most stable fuel delivery in the industry.

Designed to maintain carburetor bowl supply with maximum fuel flow under acceleration and WOT

Resilient elastomeric impregnated fabric diaphragm is compatible with most racing fuels.

Single model can be used as a (1:1) boost-referenced regulator with removal of filtered vent (supplied) and installation of swivel barb vacuum fitting.

1/8" NPT Gauge Port.

Precision CNC'd Billet Aircraft Aluminum with Mil-Spec anodizing

"dash ten" O-Ring Port Inlet with four "dash six" O-ring Port Outlets

Weight: 293 grams (without fittings)



Excellent for EFI and Carb fuel systems and all hp ranges



WEQ1210 / WEQ1240 / WEQ12100

10 Micron Filter

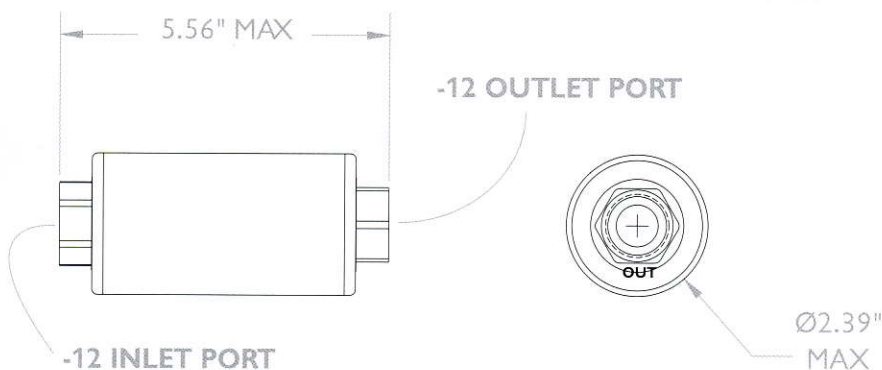
40 Micron Filter

100 Micron Filter

Features

- Aircraft aluminum Billet body
- -8, -10, -12 o-ring ports
- O-ring end caps ensure leak proof seal
- Over 60 square inches of filtering area
- All components are pressure rated to cover our full line of pumps
- Suitable for both carbureted and injected fuel systems.
- Weldon gold anodized end caps
- All parts are anodized for both corrosion protection and appearance
- Machined to aerospace tolerances
- 10, 40 and 100 micron (millionth of a meter) elements available
- Minimal pressure drop
- Replaceable elements

Dimensions

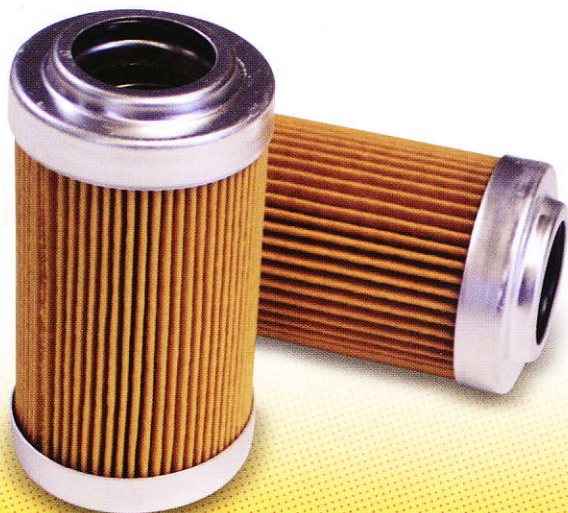


WEQ10MC / WEQ40MC / WEQ100MC

Replacement Element
10 Micron Filter

Replacement Element
40 Micron Filter

Replacement Element
100 Micron Filter



Comments

Weldon recommends the 40 micron element for the inlet side of your Weldon Pump and the 10 micron element between the pump and your carburetor or injectors



Ph: 440.232.2282

Fax: 440.232.0606

E-mail: request@weldonpumps.com

www.weldonracing.com



OIL TRANSFER - GEAR LUBE - ATF - TURBO LUBE

9200-A



Excellent for circulating oil, gear lube and ATF

High Temp (100-300+ Deg. F) High Viscosity Fluid (oil, gear lube, ATF, etc.) Transfer Pump



Features

- Internal relief valve
 - Prevents system from over pressurizing
- Contaminant resistant
- All components are replaceable/repairable
- All internal wear components are 100% metallic
 - No plastics or composite materials. Our internal pumping elements are made of high speed tool steel and bronze. This results in the longest lasting, highest quality, most durable pumps available.
- Durable with no fall-off in flow
- Blades self-compensating for wear
- 3 lbs



Current Applications

- Circulating differential and transmission fluids
- Circulating high temperature (well above 300 deg. F), high viscosity fluids at low pressures



Performance

- (All performance numbers are approximations of actual operating conditions.)
- Rated flow: 30-40 GPH
 - 5.5 Amps

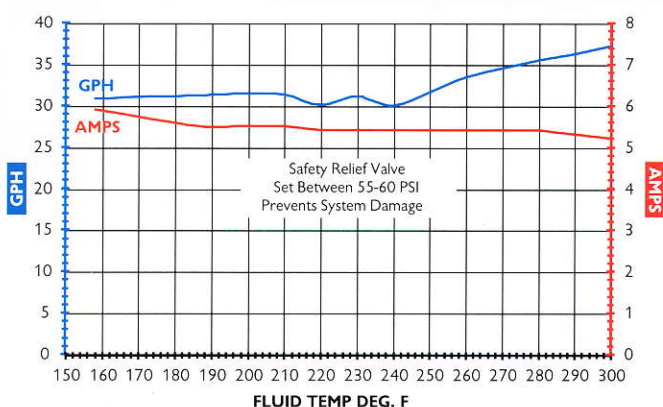


Mounting Considerations

Pump should be mounted at or below fluid level



9200-A Pump @ 14VDC, 80-90W Gear Lube

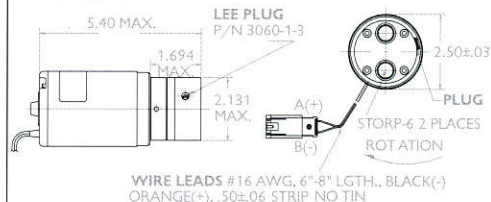


Current Fluids

- ATF
- Gear Lube
- Any high viscosity fluid that exists in a high temperature environment



Dimensions



K9200-A

(kit includes 9200-A, Mounting Clamp and Thermocouple Switch)



B8009-A / A8019-A

Oil Transfer Pump

Oil Transfer Pump



Features

- Internal relief valve
 - Prevents system from over pressurizing and causing damage
- High suction lift
- All cast body pumps are replaceable/repairable
- Self Priming
- All internal wear components are 100% metallic
 - No plastics or composite materials. Our internal pumping elements are made of high speed tool steel and bronze. This results in the longest lasting, highest quality, most durable pumps available.
- Provides Consistent Performance with no fall-off in flow
- B8009-A (3 lbs)
- A8019-A (2.7 lbs)



B8009-A Performance

- Rated flow: 30 GPH Minimum
- 25 psi
- 6 Amps maximum
- Full relief at 40 psi



A8019-A Performance

- Rated flow: 20 GPH Minimum
- 20 psi
- 4.5 Amps maximum
- Full relief at 31 to 34 psi



Current Fluids

All petroleum based and synthetic oils

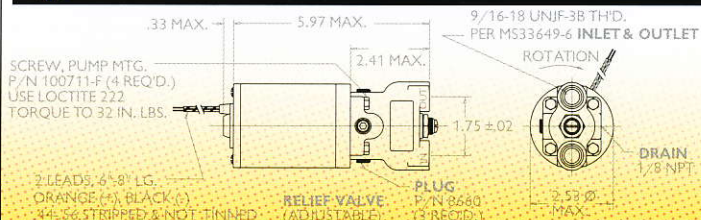


Current Applications

- Circulating oil in self contained systems
- Turbo scavenge and lubricating pump
- B8009-A Used on motorcycle applications, circulating oil in any application where ambient temperature is about 50 deg F and Up
- A8019-A Used on snowmobile applications



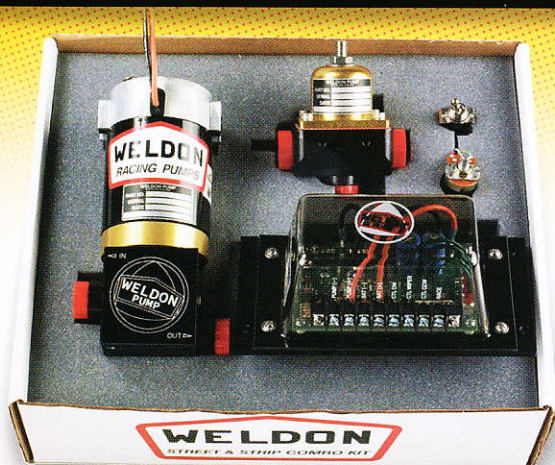
Dimensions



- We offer free expert fuel system consultation
- We can design a custom pump for your application if your requirements are not listed in this catalog. Call or e-mail to discuss!

SAVE WITH COMBO KITS

Please Specify Fuel Injected or Carbureted



SERVICE KITS

Weldon was not forced to provide service kits due to poor quality. We decided to make the kits available so end users could further extend the life of their Weldon Pumps. By replacing the elastomers that naturally deteriorate in fuel, racers could get 10, 15 and even 20 years of unwavering service from their Weldon Pump!

KC2015-25-35

Breakaway coupling kit for the following pumps:

- D2015-A • DB2015-A
- D2025-A • DB2025-A
- 2345-A • B2311-A
- D2035-A



KO2345

O-ring replacement kit for 2345-A racing pumps. Kit includes the following components:

- 2 ea. 2311-5 o-rings



KS2001-7-11

Seal replacement kit for the following pumps

- A2001-A
- A2007-A
- A2007-B
- A2011-A

Kit includes the following components:

- 1 ea. 8992 o-ring, shaft seal and 5008-5A cage, seal assembly
- 1 ea. P367 washer, seal
- 1 ea. 10080-6 spring, seal
- 1 ea. Exploded drawing and assembly instructions for the seal



KS2031-32-33

Seal replacement kit for the following pumps:

- A, B or C 2032-A • A, B or C 2033-A
- A2031-A

Kit includes the following components:

- 1 ea. 8992 o-ring, shaft seal and 5008-5A cage, seal assembly
- 1 ea. P367-I washer, seal
- 1 ea. 2012-10 spring, seal
- 1 ea. Exploded drawing and assembly instructions for the seal



Street Combo Kit

**Up to 650 Hp Injected
(325 hp on Methanol)**

- A 2005-A Fuel Pump, pg 6
- A2040-281-A-120 regulator, pg 14

**Up to 800 Hp Carbureted
(400 hp on Methanol)**

- A2005-A Fuel Pump, pg 6
- A2040-281-A-15 Regulator, pg 14

Road & Track Combo Kit

**Up to 1000 hp Injected
(500 hp on Methanol)**

- DB2015-A Fuel pump, pg 7
- A2040-281-A-120 Regulator, pg 14
- 14000 Dial-A-Flow controller, pg 13

**Up to 1050 hp Carbureted
(525 hp on Methanol)**

- DB2015-A Fuel pump, pg 7
- A2040-281-A-120 Regulator, pg 14
- 14000 Dial-A-Flow controller, pg 13

Street & Strip Combo Kit

**Up to 1400 hp Injected
(700 hp on Methanol)**

- DB2025-A Fuel pump, pg 9
- A2040-281-A-120 Regulator, pg 14
- 14000 Dial-A-Flow controller, pg 13

**Up to 1600 hp Carbureted
(800 hp on Methanol)**

- DB2025-A Fuel pump, pg 9
- A2040-281-A-120 Regulator, pg 14
- 14000 Dial-A-Flow controller, pg 13

KO2000

O-ring replacement kit for all 2000 series racing pumps

Kit includes the following components:

- 1 ea. 2000-18 o-ring, adjustment screw (for 2032 & 2033 series)
- 1 ea. 2015-2 o-ring, bearing
- 1 ea. 8992-1 o-ring, shaft seal
- 1 ea. 8988-1 o-ring, shaft seal
- 1 ea. Exploded drawing and assembly instructions, bearing
- 1 ea. Exploded drawing and assembly instructions, valve



K14000

14000 controller wiring harness

Kit includes:

- 6 ft. five conductor cable
- 5 ea. Amp connectors
- 1 ea. switch
- 1 ea. Knob



KV2001-7-11

Valve rebuild kit for the following pumps:

- A, B or C 2001-A • A, B or C 2007-A
- A, B or C 2007-B • A, B or C 2011-A
- A, B or C 2032-A • A, B or C 2033-A
- A2031-A

Kit includes the following components:

- 1 ea. 2001-8 seat, relief valve
- 1 ea. 2001-7 poppet, relief valve
- 1 ea. 10080-4 spring, high pressure
- 1 ea. 8723 spring, low pressure
- 1 ea. 8977 o-ring, valve adjusting screw
- 1 ea. Exploded drawing and assembly instructions for the valve



KV20301-32-33

Valve rebuild kit for the following pumps:

- A, B or C 2032-A
- A, B or C 2033-A
- A2031-A

Kit includes:

- 1 ea. 2001-8 seat, relief valve
- 1 ea. 2001-7 poppet, relief valve
- 1 ea. 2012-10 spring, extra high pressure
- 1 ea. 8720 spring, high pressure
- 1 ea. 10080-4A spring, low pressure
- 1 ea. 2033-7 spacer
- 1 ea. Exploded drawing and assembly instructions for the valve



REFERENCE CHART

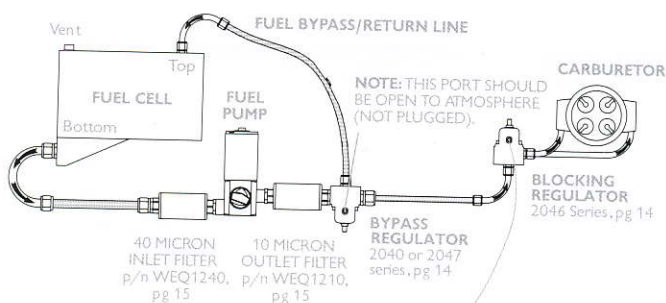
Ports vs. Lines				Maximum Allowable Flow/Velocity			Permitted Conductor Sizes for 25 ft. Length (approx.)	
Dash No.	Straight thread size per MS-33649 O-ring Port	Tube O.D. (in)	Tube I.D. (in.)	Max. Allowable Flow Suction Line (gph)	Max. allowable flow Pressure Line (gph)	Max. allowable flow Return Line (gph)	Size AWG	Maximum Amps Allowed
2	5/16-24 UNJF-3B	1/8	0.062	2	8	7		
3	3/8-24 UNJF-3B	3/16	0.125	9	34	30		
4	7/16-20 UNJF-3B	1/4	0.172	17	65	56		
5	1/2-20 UNJF-3B	5/16	0.234	32	121	105		
6	9/16-18 UNJF-3B	3/8	0.297	52	194	168		
8	3/4-16 UNJF-3B	1/2	0.391	90	337	292	18	6
10	7/8-14 UNJF-3B	5/8	0.484	138	516	447	16	8
12	1-1/16-12 UNJF-3B	3/4	0.609	218	817	708	14	17
16	1-5/16-12 UNJF-3B	1	0.844	419	1570	1360	12	23
							10	28

According to the national electrical code table 402-5

FUEL SYSTEM DIAGRAMS

RECOMMENDATION FOR TYPICAL CARBURETED APPLICATION

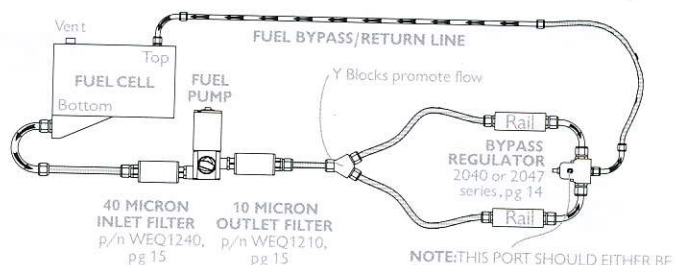
Avoid sharp bends and small radius fittings



NOTE: THIS PORT SHOULD BE OPEN TO ATMOSPHERE (NOT PLUGGED) UNLESS THE CARBURETOR ITSELF IS BEING PRESSURIZED ABOVE ATMOSPHERE (ONLY IN THIS CASE SHOULD YOU REFERENCE BOOST PRESSURE).

RECOMMENDATION FOR TYPICAL FUEL INJECTION APPLICATION

Avoid sharp bends and small radius fittings



NOTE: THIS PORT SHOULD EITHER BE OPEN TO ATMOSPHERE OR REFERENCE THE ENGINE'S INTAKE MANIFOLD PRESSURE (NOT PLUGGED).

FUEL YOUR PERFORMANCE WITH OUR NEW PRODUCTS!

See Pocket For New Products