



atomizerfuelcomponents.com

**CONGRATULATIONS AND THANK YOU FOR PURCHASING THE ONE
AND ONLY BILLET ATOMIZER RACING INJECTORS!!!**

**WE HAVE FUELED MANY WORLD RECORDS AND CHAMPIONSHIPS IN
THE DRAG RACING ARENA, SALT FLAT RACING, STANDING MILE, AND
BOAT RACING WORLD WIDE.**

**WE ARE PROUD THAT OUR PRODUCTS ARE
100% ENGINEERED AND MANUFACTURED
IN THE USA WITH 100% USA
MATERIALS!!**

**Billet Atomizer Racing Injector
Instructions, Warranty &
Disclaimer Information
Billet Atomizer Racing Fuel Injectors**



*******DISCLAIMER*******
ALL SALES ARE FINAL!

FOLLOWING TERMS AND CONDITIONS APPLY TO PRODUCTS MANUFACTURED AND SOLD BY BILLET ATOMIZER RACING

- 1. ASSUMPTION OF RISK-** Our products are designed and manufactured to be used on organized closed courses only. Purchasers/users of our product assumes ALL RISK that the proper precautions are at all times in place for the safety of the user of our products and other persons (without limitation, spectators, course workers, etc.)
- 2. FULL AND FINAL RELEASE AND WAIVER OF LIABILITY AND ALL CLAIMS-** Vehicle racing is an inherently dangerous sport with significant risk of personal injury and death. Purchasers and/or users of our products WAIVE AND FULLY RELEASE any owner, officer, employee or agent of Billet Atomizer Racing from any and all liability for any loss, damage, injury, or expense that the purchaser and/or user may suffer as a result of the use of our product due to any cause whatsoever. This includes negligence, gross negligence, breach of contract, or breach of any statutory or other duty of care.
- 3. AGREEMENT TO INDEMNIFY, TO SAVE AND HOLD HARMLESS-** Purchaser and/or end user agrees to indemnify and to save and hold harmless any owner, officer, employer or agent of Billet Atomizer Racing from any litigation expense, legal fees, liability, damage, award or cost, of any form or type whatsoever, they may incur due to any claim made against them or any one of them by purchaser and/or end user, or purchaser and/or end users estate. Whether the claim is based on the negligence or the gross negligence of purchaser and/or end user, or otherwise as stated above.
- 4. PROPER USE OF PRODUCTS-** Purchaser and/or end user are solely responsible that the intended and actual use of any product is made in compliance with any manuals provided with product or other information provided by Billet Atomizer Racing in writing and which specifically references the product. Purchaser and/or end user may not rely on any oral information or statements provided by Billet Atomizer Racing or in any forum or other source of information regarding the products. It is the purchaser and/or the end users responsibility to inspect and verify dimensions, specifications, and performance of the products as being appropriate for the use to which the user will put them prior to any actual installation and/or use. The products are to be inspected by the purchaser and/or end user before each use before for evidence of damage, defect or wear. The installation of the products may adversely affect other vehicle components, safety equipment, or manufactured goods (collectively "goods"). Billet Atomizer Racing assumes NO RESPONSIBILITY for any damage to other goods, or bodily injury that may arise due to failure of other goods, due to installation, and/or use, either proper or improper, of its products.

PRODUCTS (INCLUDING PRODUCTS RESOLD BY BILLET ATOMIZER RACING) ARE SOLD "AS IS" WITHOUT ANY WARRANTY, WRITTEN OR ORAL, WHATSOEVER. EXPRESS WARRANTIES, IMPLIED WARRANTIES, WARRANTIES OF MERCHANTABILITY AND WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE ARE EXCLUDE. THE ENTIRE RIKS OF QUALITY AND PERFORMANCE OF THE PRODUCTS IS WITH THE BUYER, USER, SUBSEQUENT USER, OR AGENT THEREOF (HEREIN "USER"). SHOULD THE PRODUCTS PROVE DEFECTIVE FOLLOWING THEIR PURCHASE, THE BUYER AND NOT BILLET ATOMIZER RACING, ANY DISTRIBUTOR(S), OR RETAILER(S), ASSUME THE ENTIRE COST OF ALL NECESSARY SERVICES OR REPAIR AS A RESULT OF A PRODUCT FAILING.

Introduction

Enclosed is a summary of our Billet Atomizer Injectors Instructions, service recommendations and disclaimer information. Please contact our office for pricing.

The new Billet Atomizer coils were designed to increase the magnetic strength of the injector by 60%, resulting in huge improvements in the capacity, range, and opening time performance of the injectors.

Fuel Injector Specifications

SIZE	STATIC FLOW RATE	IMPEDANCE	RESISTANCE	FUEL PRESSURE RATING	NOZZLE STYLE	SPRAY ANGLE
100 lb/hr	100	LOW	@ 1.6	43.5 PSI	Atomizer Disc	Large Fog with 45 degree Vapor Cone Pattern
120 lb/hr	120	LOW	@ 1.6	43.5 PSI	Atomizer Disc	Large Fog with 45 degree Vapor Cone Pattern
160 lb/hr	160	LOW	@ 1.6	43.5 PSI	Atomizer Disc	Large Fog with 45 degree Vapor Cone Pattern
225 lb/hr	225	LOW	@ 1.6	43.5 PSI	Atomizer Disc	Large Fog with 45 degree Vapor Cone Pattern

235 lb/hr	235	LOW	@ 1.6	43.5 PSI	Atomizer Disc	Large Fog with 45 degree Vapor Cone Pattern
275 lb/hr	275	LOW	@ 1.6	43.5 PSI	Atomizer Disc	Large Fog with 45 degree Vapor Cone Pattern
325 lb/hr	325	LOW	@ 1.6	43.5 PSI	Atomizer Disc	Large Fog with 45 degree Vapor Cone Pattern
500 lb/hr	500	LOW	@ 1.6	90 PSI	Atomizer Disc	Large Fog with 45 degree Vapor Cone Pattern
550 lb/hr	550	LOW	@ 1.6	90 PSI	Atomizer Disc	Large Fog with 45 degree Vapor Cone Pattern
575 lb/hr	575	LOW	@ 1.6	90 PSI	Atomizer Disc	Large Fog with 45 degree Vapor Cone Pattern
600 lb/hr	600	LOW	@ 1.6	90 PSI	Atomizer Disc	Large Fog with 45 degree Vapor Cone Pattern
650 lb/hr	650	LOW	@ 1.6	90 PSI	Atomizer Disc	Large Fog with 45 degree Vapor Cone Pattern
700 lb/hr	700	LOW	@ 1.6	90 PSI	Atomizer Disc	Large Fog with 45 degree Vapor Cone Pattern

750 lb/hr	750	LOW	@ 1.6	90 PSI	Atomizer Disc	Large Fog with 45 degree Vapor Cone Pattern
800 lb/hr	800	LOW	@ 1.6	90 PSI	Atomizer Disc	Large Fog with 45 degree Vapor Cone Pattern
850 lb/hr	850	LOW	@1.6	90 PSI	Atomizer Disc	Large Fog with 45 degree Vapor Cone Pattern
900 lb/hr	900	LOW	@ 1.6	90 PSI	Atomizer Disc	Large Fog with 45 degree Vapor Cone Pattern
950 lb/hr	950	LOW	@ 1.6	90 PSI	Atomizer Disc	Large Fog with 45 degree Vapor Cone Pattern

WE CAN CUSTOM SIZE AND CALIBRATE YOUR INJECTORS TO OPTIMIZE YOUR DUTY CYCLE AND ENGINE PERFORMANCE FOR ALMOST ANY APPLICATION. OUR CUSTOM SIZES RANGE FROM 100 LB/HR TO 950 LB/HR. AN EXAMPLE IS A 205 LB/HR @ 65 PSI BASE FUEL PRESSURE TO ACHIEVE A 63% DUTY CYCLE.

Billet Atomizer injectors work with all racing fuels. Please review the Injector Instructions as you will need to exercise the proper maintenance. Maintenance includes flushing of the injectors to purge any oxidizing fuels from the injectors when not in use. Please call **(757-250-3773)** if you have questions

Fuel Pressure

Billet Atomizer Racing Injectors SHOULD NOT EXCEED 90 PSI max base fuel pressure due to the fact it may cause engine damage.

BASE FUEL PRESSURE INFORMATION & EXAMPLES

As far as the 90PSI base pressure, this pressure is referring to the maximum base pressure before boost.

As long as you are utilizing a 1 to 1 ratio on fuel pressure vs. boost, you would be able to apply 50lbs of boost, resulting in the addition of 50 pounds fuel pressure. This would yield 140 maximum total fuel pressure of 140PSI pressure, which is ok.

Example:

- 1) For injector sizes: 100lb/hr, 160lb/hr, 235lb/hr, 275lb/hr
43.5PSI base fuel pressure + 50pounds of boost = 93.50 pounds of total fuel pressure at the injector. (CONTINUED ON NEXT PAGE)

- 2) For the 500lb/hr injectors
90PSI base fuel pressure + 50 pounds of boost = 140 pounds of total fuel pressure at the injector.

CAUTION - Warning

Filter - CAUTION

It is Mandatory to use a 10 Micron filter with our injectors. You must run a 10 micron filter between the injectors and the fuel pump, **NOT** between the fuel pump & fuel tank.

For methanol users: Billet Atomizer Racing Injectors recommends a compatible 10 Micron stainless steel methanol safe filter assembly. Our own line of filters is being developed and will be available soon.

For gas users: We recommend compatible 10 Micron fuel filters.

Injector Cleaning & Maintenance

Before Using Injectors: Thoroughly clean all fuel lines, fuel rails, & fittings. Any debris left in these areas prior to use could cause damage to the injectors.

Maintenance: Please refer to the maintenance instructions included in your case.

Recommendations & Tolerances

FUEL PRESSURE

Billet Atomizer Racing Injectors: DO NOT EXCEED 90 PSI max **BASE** fuel pressure.
HIGHER BASE PRESSUE MAY RESULT IN ENGINE DAMAGE.

ECU Requirements

For our injectors to run with your EFI system, they require dedicated drivers that are 8 amp peak & 2 amp hold which is a requirement for low impedance. If you have any questions regarding your EFI system, please contact your manufacturer direct to ensure these requirements are met. We recommend 16 Volt systems – injectors over 275 lb/hr require minimum 14 Volts and 8 amp peak & 2 amp hold.

Disclaimer

ATOMIZER RACING INJECTORS ARE FOR RACING PURPOSES & OFF-ROAD USE ONLY. NO REFUND OR RETURNS. ALL SALES ARE FINAL.

Warning

Failure to follow these instructions while using Billet Atomizer Racing Injectors can cause damage to these injectors, and your engine. Billet Atomizer Racing Injectors is not liable for injury or damage to you and/or your engine/equipment. Failure to follow these instructions, including the use of the recommended filter, will void the warranty. Please see Limited Warranty & Disclaimer sections for more information.

Injector Service

Shipping costs to and/or from dealer is at the customer's expense, regardless of reason for shipment. When shipping, use care in packing – you must ship in the provided case at time of original purchase, and ship it prepaid, and adequately insured. Include a letter detailing all information, and provide a daytime phone number/ email address where you can be contacted.

SHIP TO:

BILLET ATOMIZER RACING INJECTORS
8105 RICHMOND ROAD SUITE 405
TOANO, VA 23168

