

Link do produktu: <https://bizongarage.pl/fst-r-fuel-surge-tank-with-integrated-fpr-for-walbro-gss342-aem-50-1200-radium-engineering-p-3094.html>



## FST-R Fuel Surge Tank with Integrated FPR for Walbro GSS342 AEM 50-1200 Radium Engineering

Cena brutto	<b>3 331,09 zł</b>
Cena netto	<b>2 708,20 zł</b>
Dostępność	<b>Na zamówienie</b>
Numer katalogowy	<b>331171374</b>
Kod producenta	<b>USA-RAD-20-0133-00</b>

### Opis produktu

A fuel surge tank (FST) is designed to prevent fuel starvation to the engine on vehicles with inadequate fuel tank baffling. The FST fuel pump feeds the fuel rail(s). The volume of fuel inside the surge tank acts as a buffer to always keep the FST pump supplied with fuel. This volume is maintained by the main fuel tank's (lift) pump as well as the fuel returning from the fuel pressure regulator.

In the case of the FST-R, the regulator is built in to the surge tank and is recirculating fuel internally. Excess fuel in the surge tank is returned back to the vehicle's main fuel tank.

Installing a surge tank is also an easy way to upgrade the fuel pump of a vehicle without opening or modifying the OEM fuel tank.

#### RADIUM FST-R FEATURES

- Full CNC aluminum construction with O-ring sealed interfaces
- Anodized for compatibility with all fuel types
- Integrated adjustable fuel pressure regulator with 1:1 vacuum reference
- Interchangeable regulator orifice sizes to match output of different pumps
- Nickel-Plated Electrical Connector with 24" Flying Leads
- Assembled with stainless steel hardware
- Three 6AN male fittings

#### RADIUM FST-R

The FST-R (Fuel Surge Tank-Regulated) is an all new design that houses a single internal fuel pump and has an integrated fuel pressure regulator machined into the top cap. The high-flow regulator is adjustable and features interchangeable orifice sizes. This revolutionary idea eliminates the need for an external fuel pressure regulator along with the extra fittings and hoses. This simplifies the installation, reduces overall cost, reduces weight, and eliminates potential leak points in the fuel system. Furthermore, this system permits cooler fuel temperatures as the fuel is not returning from the hot engine bay. Like all Radium fuel surge tanks, this universal product can be used on any fuel injected application and is compatible with all fuel

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types. Additional details on the design of the FST-R can be found here.

The FST-R can be configured with all 39mm fuel pumps from many leading manufacturers. Note: The FST-R is not available in dual-pump configurations. If the pump is purchased as part of the FST-R, the surge tank will come fully assembled and will be pressure tested for leaks and ready to be installed. If the pump is purchased elsewhere, some assembly will be required.

Please see the MORE DETAILS tab on this page (above) for additional info on plumbing a FST-R.

The side port is the regulated pressure output and is plumbed directly to the fuel rail(s). No additional fuel pressure regulator is required. Pressure adjustment is done using the adjustment screw located on the top cap of the regulator unit. A vacuum line hooks up to the nipple on the FST-R to achieve 1:1 vacuum reference. Note: returnless fuel systems commonly use a constant fuel pressure. In this case, the vacuum reference hose is not required.

The FST-R is no taller than a standard fuel surge tank with hoses installed.

Two interchangeable orifices are included with calculated flow diameters to match the fuel pump flow to the regulator. Furthermore, this added precision will resist diaphragm flutter and optimize pressure stability.

For the 20-0368-00 Ti Automotive E5LM FST-R, a 20-0598 check valve is included to prevent backflow.

[Instruction PDF](#)