

Link do produktu: <https://bizongarage.pl/mpfst-multi-pump-fuel-surge-tank-ti-automotive-e5lm-radium-engineering-p-3098.html>



MPFST Multi-Pump Fuel Surge Tank Ti Automotive E5LM Radium Engineering

Cena brutto	2 999,00 zł
Cena netto	2 438,21 zł
Cena poprzednia	3 701,21 zł
Dostępność	Na zamówienie
Numer katalogowy	331171387
Kod producenta	USA-RAD-20-0443-00

Opis produktu

What is a fuel surge tank?

A fuel surge tank (FST) is designed to prevent fuel starvation to the engine on vehicles with inadequate fuel tank baffling. Fuel is supplied to the surge tank by a lift pump, which in most cases is the OEM in-tank fuel pump. The volume of fuel inside the surge tank acts as a buffer to always keep the FST pump(s) supplied with fuel, even if the lift pump starves momentarily. This volume is maintained by the lift pump as well as the fuel returning from the fuel pressure regulator. Excess fuel in the surge tank is returned back to the vehicle's main fuel tank. The surge tank also provides a quick and easy way to upgrade any standard fuel system without opening the stock fuel tank. This is an excellent fueling solution for vehicles installing large demand power upgrades such as forced induction.

Multi-Pump Fuel Surge Tank (MPFST)

Recently redesigned for 2019, the Radium Engineering MPFST is the perfect solution for high power vehicles experiencing fuel starvation during aggressive driving. Multiple high flowing fuel pumps can be used in the surge tank.

Because the compatible pumps utilize a check valve, the MPFST merges all pumps into a single outlet simplifying external plumbing. NOTE: The brushless Ti Automotive E5LM MPFST includes check valves (shown below in green).

This "PUMP OUT" port is 10AN ORB threaded but comes preinstalled with a -8AN male adapter fitting. The "OVERFLOW", "SUPPLY", and "RETURN" ports are all 8AN ORB threaded but come preinstalled with -6AN male adapter fittings. All of these fittings can be swapped out with different sizes (sold separately).

When fuel enters the MPFST through the "SUPPLY" and "RETURN" ports, it gets redirected and runs tangential through the canister creating a swirl pot. This helps eliminate unwanted air bubbles and fuel foam that can affect fuel pump and engine performance.

The pumps are mounted using an anodized aluminum bracket. All internal wires are gasoline, ethanol, and methanol compliant. The brushless Ti Automotive E5LM MPFST (shown above) utilizes a standard press-in filter sock included commonly with the pump.

All other (brushed pumps) pumps use the provided stainless steel mesh inlet screen for pre pump filtration shown above.

The pump power connections are handled with specially designed high-current electrical studs. Necessary ring terminals and hardware are included with every surge tank.

As shown, the underside of the MPFST is suitable for uneven surfaces commonly found in the trunk of a vehicle. Stainless steel M6x1.0mm socket head bolts are included for custom mounting.

PUMP SELECTION

The MPFST can be selected with or without fuel pumps installed. If the option "... Pumps Not Included" is selected, the MPFST comes ready for the end user to install 1, 2, or 3 pumps. NOTE: The brushless Ti Automotive E5LM MPFST is designed for 1 or 2 pumps (shown below).

OPTIONS

20-0461 Fuel Level Switch, 1/8 NPT

20-0519 Fuel Level Switch Plus Diagnostic Indicator

[Instruction PDF](#)