

In-Tank Electric Fuel Pumps and Accessories

In-Tank Electric Fuel Pumps



Low Pressure In-Tank Fuel Pump
Part No. FS FPLP



High Pressure In-Tank Fuel Pump
Part No. FS FPHP



Bosch 044 Fuel Pump
Part No. FS FP044



Sock Filter Adapter for Bosch Pump
Part No. FS 1HDW52

Sock Filter for Bosch Pump
Part No. FS FPHP

We offer three different styles of in-tank electric fuel pumps for various installations. Our **Low Pressure In-Tank Pump** delivers 35 gallons per hour free flow or up to 6 psi pressure (20 GPH at 2 psi typical). Our **High Pressure In-Tank Pump** delivers 70 GPH free flow or up to 90 psi pressure (51 GPH at 60 psi typical). Both of these pumps include a sock-type inlet filter. We also offer the popular **Bosch "044" High-Pressure Fuel Injection Pump** which delivers 79 GPH free flow or up to 110 psi pressure (53 GPH at 72 psi typical). A filter and adapter for the Bosch 044 pump are available separately.

Low-Pressure In-Tank Fuel Pump Part No. FS FPLP \$187.99
High-Pressure In-Tank Fuel Pump Part No. FS FPHP \$202.99
Bosch 044 Fuel Pump, no filter Part No. FS FP044 \$259.99
Sock Filter Adapter for Bosch Pump Part No. FS 1HDW52 \$34.49
Threads into the inlet of the 044 pump to accept the sock filter sold separately below.
Sock Filter for High Pressure Pumps Part No. FS FPHP \$20.29
Bosch 044 pump requires sock filter adapter, sold separately above.

Wiring Harnesses for In-Tank Fuel Pumps

Our wiring harnesses make it easy to power a fuel pump mounted in your fuel cell. The Male harness is installed in the cell and connected to the pump. The Female harness is connected to your vehicle wiring and plugged in to the cell. We offer several styles to suit different applications. The standard 2 and 4 wire harnesses are suitable for use in a top plate, where the plug will not normally be below the fuel level. The Hermetically Sealed harnesses (not shown) are fluid-tight for use in the side or bottom of the cell, where the plug may be below the fuel level. All use high-quality locking connector plugs and stranded copper wire. Female plug measures 1 3/16" diameter and stands approximately 2" from the surface when assembled.

Male 2-Wire Fuel Pump Harness, inside cell Part No. FS WH04M2 .. \$52.99
Female 2-Wire Fuel Pump Harness, outside cell Part No. FS WH04F2 .. \$52.99
Male 4-Wire Fuel Pump Harness, inside cell Part No. FS WH04M4 .. \$54.49
Female 4-Wire Fuel Pump Harness, outside cell Part No. FS WH04F4 .. \$54.49

The following two harnesses are sealed for installation in the side or bottom of a cell, where the plug may be submerged below the fuel level.

Male 4-Wire Hermetically Sealed Harness, inside cell Part No. FS WH05M4 .. \$549.00
Female 4-Wire Hermetically Sealed Harness, outside cell .. Part No. FS WH05F4 .. \$344.99



Left: Male 2-Wire Harness (inside cell) for In-Tank Fuel Pump
Part No. FS WH04F2

Right: Female 4-Wire Harness (outside cell) for In-Tank Fuel Pump
Part No. FS WH04F4

AIR & FUEL DELIVERY

Surge Tanks and One-Way Valves



Left: Surge Tank with 6AN Male Fitting
Part No. 2538-6AN

One-way check valves on three sides allow fuel to flow in from three directions without flowing out.



Left: Surge Tank with Low Pressure Fuel Pump
Part No. FS ST100LP

Surge Tanks with electric fuel pumps installed include sock filters and male and female wiring harnesses



Right: Surge Tank with High Pressure Fuel Pump
Part No. FS ST100HP

Surge Tanks mount inside your fuel cell to trap fuel around the pickup to prevent starvation. Being able to get the last bit of fuel in your cell allows you to run a lower fuel level for less weight. Surge tanks can even help with weight transfer due to fuel slosh. Our rigid plastic surge tanks feature 3 one-way ball check valves to let fuel flow in but not out. Each measures approximately 6" x 6" x 4" high. We offer surge tanks with male AN fittings or with an electric fuel pump and wiring harness already installed. Choose from our Low Pressure Pump (20 GPH at 2 psi), High Pressure Pump (51 GPH at 60 psi), or the Bosch 044 Pump (53 GPH at 72 psi).

Surge Tank with 6AN Male Fitting Part No. 2538-6AN \$172.99
Surge Tank with 8AN Male Fitting Part No. 2538-8AN \$172.99
The above tanks have no provision for installing a filter on the pickup fitting.
Surge Tank with Low Pressure Fuel Pump Part No. FS ST100LP \$459.99
Surge Tank with High Pressure Fuel Pump Part No. FS ST100HP \$459.99
Surge Tank with Bosch 044 Pump (not shown) Part No. FS ST100HPB \$899.00
The fuel pumps mounted in these surge tanks include a sock filter on the pump inlet, a male (inside cell) 2-wire harness, and a female (outside cell) 2-wire harness.



Left: Ball Check Valve
Part No. FS CV100



Indy Style 22AN Round Trap Door
Part No. FS TD100

Two are shown to illustrate open (left) and closed (right). Sold individually.



Right: Billet Aluminum Trap Door
Part No. FS TD150A



Check Valves and Trap Doors If you would rather fabricate your own surge tank, we offer three different types of one-way valves. Our **Ball Check Valve** is the same as supplied on the surge tanks above. We also offer an **Indy Style 22AN Round Trap Door** with a rubber O-Ring seal or a **Billet Aluminum Trap Door** with precision machined sealing surfaces to positively prevent back flow. All of these are unsprung, so fuel can flow unimpeded in one direction.

Ball Check Valve, 1" diameter Part No. FS CV100 \$46.49
Trap Door, 22AN Round (Indy Style) Part No. FS TD100 \$147.99
Opening size 1 3/4" diameter. Includes mounting hardware.
Trap Door, Billet Aluminum Part No. FS TD150A \$147.99
Opening size 1 1/4" x 1 5/8". Mounting screws are secured to the plate so you can install it with a minimum of access to the inside of the surge tank.