



## INSTALLATION MANUAL

### Aluminium Fuel Cells with Sump

PFEFC005, PFEFC010, PFEFC015, PFEFC020



Included Items	QTY
PFEFC Series Fuel Cell (5, 10, 15 or 20 Gallon)	1
PFEFCS9000 Fuel Level Sender	1
PFEFC001 Fuel Cap	1

**WARNING:** PLEASE READ ALL INSTRUCTIONS BEFORE PROCEEDING. PROFLOW WILL NOT BE RESPONSIBLE FOR ANY DAMAGE AS A RESULT OF THE INCORRECT INSTALLATION OF THIS PRODUCT. IT IS RECOMMENDED THAT A QUALIFIED AUTOMOTIVE TECHNICIAN PERFORMS THIS INSTALLATION.

**WARNING:** THE INSTALLATION OF THIS PRODUCT REQUIRES THE HANDLING OF FUEL. IT IS RECOMMENDED TO WORK IN A WELL-VENTILATED AREA AND WEAR APPROPRIATE PERSONAL PROTECTION. KEEP ALL IGNITION SOURCES AND OPEN FLAMES AWAY FROM THE VEHICLE AT ALL TIMES.

### DESCRIPTION

Proflow performance sumped fuel cells are robotically manufactured from 3mm aluminium AL5052, heat treated to H34. They are available in 5 (19L), 10 (38L), 15 (57L) and 20 (78L) gallon sizes. Fuel cell foam is included in these tanks in order to prevent fuel slosh and fuel starvation under high lateral forces.

All fuel cells come with a billet aluminium cap with a flip and twist action locking mechanism, also utilising a one way air valve. A GM fuel level sender is also included in these fuel cells which reads 0 Ohm's as empty and 90 Ohm's as full, fitting several types of gauges, including aftermarket and OEM gauges. Please contact a professional if unsure about how to wire your fuel level sender.

## FUEL CELL DIMENSIONS

Capacity	Width x Length x Depth (mm)	Top Ports	Sump Ports	SKU
5 Gallon	300 x 260 x 260	AN8 ORB	AN12 ORB	PFEFC005/BK
10 Gallon	410 x 380 x 260	AN8 ORB	AN12 ORB	PFEFC010/BK
15 Gallon	510 x 460 x 260	AN8 ORB	AN10 ORB	PFEFC015/BK
20 Gallon	620 x 510 x 260	AN8 ORB	AN10 ORB	PFEFC020/BK

## FUEL PUMPS

The primary fuel pump from the vehicles previous fuel tank will no longer be operative and no longer feed the engine directly. It is recommended that an external style fuel pump is installed alongside the fuel cell to directly feed the engine, such as PFEFS11380. If you are unsure about which fuel pump to use, please contact either us or your tuner. This fuel cell is only one component of your vehicles fuel system. Please ensure the vehicles entire fuel system is sufficient for the vehicle and its power demands.

## ROLLOVER VALVE/VENT INSTALLATION (IMPORTANT)

This fuel cell requires the installation of a rollover valve (PFE614-08) or vent on the top of this fuel cell in order to breathe correctly and not over pressurize, which may cause failure of the tank itself. It is recommended that the vent hose is routed vertically in the air 8" and then run out of the car away from high heat sources and moving parts. Failure to install a rollover valve or vent may void the warranty of this product! The vented cap of this fuel cell should not be relied on solely as a vent.

## MOUNTING

Mounting this fuel cell requires all 4 mounting points to be secured down. Rubber mounts are recommended for this tank to enable sufficient clearance for the tanks sump. Ensure when mounting this tank that there is enough support below the fuel cell when full and it is away from all sources of heat. Keep all sharp objects away from the tank at all times.

## PLUMBING

This fuel cell utilises o-ring sealed AN styled ports (ORB) of varying sizes depending on the capacity of the tank (please see table above). The top two ports of this fuel cell are intended to be used for a breather and fuel return port from the engine. The lower ports from the sump are to feed the fuel pump supplying the engine. Please plug all unused ports with the correct o-ring styled plug (PFE814).

### PROFLOW LIMITED WARRANTY

This product is warranted to be free from defects in materials and workmanship for a period of one year from the original date of purchase.

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