

ATL Special Projects - Case Study #2

**Ginetta G50 Filler Neck Safety Flapper Valve:
From Fireball to 'not a drop spilled' within 3 weeks**

Week 1

Fireball

Ginetta G50 goes up in flames when remote filler hoses are severed during a heavy crash



Week 3

Not a drop of fuel spilled

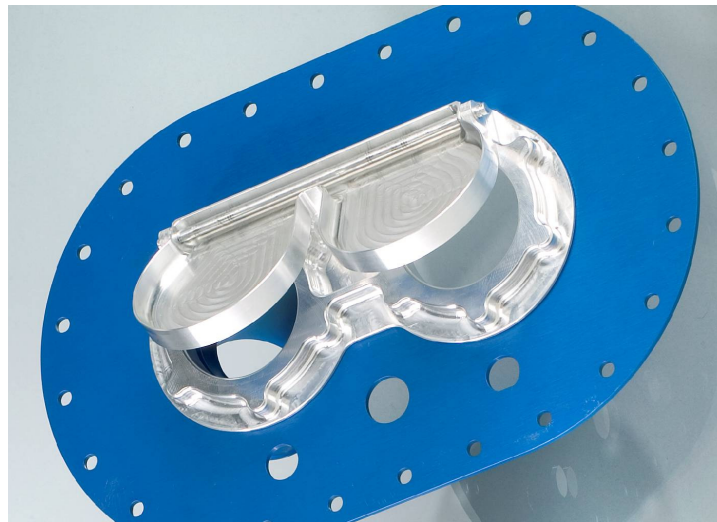
Safety Flapper Valve delivered to every G50 owner – no fire in another huge crash at the next race meeting



Following a massive accident that saw a Ginetta G50 explode into a fireball when the remote filler hoses were severed, ATL reacted to prevent any such incident ever occurring again.

The solution was to install a flapper valve that would close-off the filler hoses whenever the car was not being refuelled. The challenge was that, during refuelling, the flapper must open to allow fuel into the fuel cell through one aperture, whilst simultaneously allowing air/fuel vapour out of the cell via another aperture. At the time of the construction of the car, no suitable part was available.

Through quick thinking from the ATL design team, a product was designed, manufactured, tested and put into production. A Safety Flapper Valve was delivered to every G50 owner within 3 weeks of the original accident.



N.B. The fuel cell itself was totally undamaged in the first accident and was one of the very few salvageable parts! As a result, that very fuel tank was out racing again 3 weeks later, fitted to a new car.