

## New Product Applications

### Liquid Level Sensing



June 2019

### Customer

A Turkish based designer and manufacturer which is highly diversified and manufactures busses, trucks and specialised vehicles for all market sectors including military. Rochester Sensor UK is already supplying the Bus Division with fuel level sensors and their success prompted the Truck Division to approach us regarding an AdBlue application knowing our capability with level sensing.

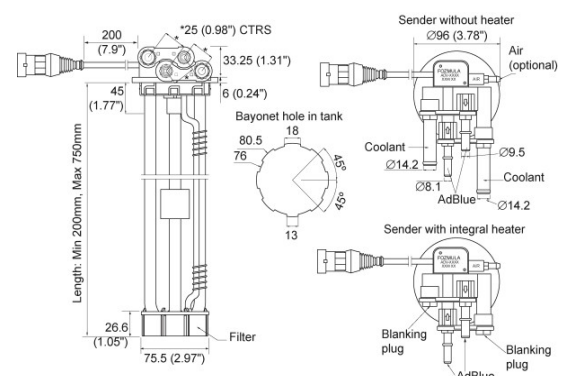
### Application

AdBlue is urea based fuel additive which is used in a process called selective catalytic reduction to reduce emissions of oxides of nitrogen from a vehicle's exhaust. It is dosed at between 3- 5% of diesel consumption and must be stored in a separate tank to the diesel fuel. In order that the emissions regulations are not breached, it is imperative that the level of AdBlue is maintained at all times. AdBlue can also be corrosive to certain metals.

### Product

A review of the application led us to decide that a largely 316 stainless steel construction employing totally inert Buna N floats would be appropriate. Although Rochester Sensors designs many products, we also partner with several recognised experts in their field and took advice regarding the method of fitment and liquid flow rates.

With this being a new product for the company they undertook the most rigorous field trials in Turkey and abroad until they were satisfied with the samples and could pass them off for bulk manufacture.



Rochester Sensors is very pleased to be supplying such a high profile and prestigious company with a custom designed product. This is one more in a long list of application based products which Rochester Sensors has designed and put into production.