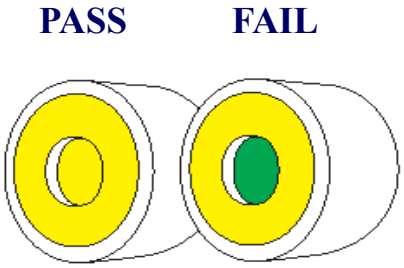
FUEL TESTING

Shell Water Detector Capsules.

The Shell Water Detector capsule is the standard industry test for monitoring the level of free or dispersed water in Jet Fuel. It is used in conjunction with a syringe, which draws 5ml of the fuel through the capsule. If the paper inside the capsule does not change colour from yellow to green it means that the fuel contains less than the IATA recommended limit of 30ppm water content, and the test is classified a Pass. A strong green colour means that the fuel contains more than 30ppm of water and the test is classified Fail.



This is a Go/No Go test, the result should be either Pass or Fail as shown above. It should not be used in an attempt to quantify water levels but a slight intermediate colour change can indicate a trace of water in the product somewhere between 0 and 30ppm, and this is shown in the records as Trace if required by local regulations.

Please note, it is essential that the screw cap is tightened fully after a capsule has been removed from the tube, and that capsules are only used up to the expiry date printed on the box and the base of the tubes (normally at least 6 months from the date of sale). We have a large useage for this product and we turn our stock over once a week on average, which maximises the available storage life for the benefit of our customers.

The test can be used to check fuel samples from bulk fuel delivery vehicles, pipeline receipt points, storage tank low points, fueller/trailer tank low points, hydrant dispenser low points, and any filter sumps or sample points.

Shell Water Detector Capsules
Box of 80 capsules,
(10 tubes of 8 capsules per tube).
Part No. 0902000110.

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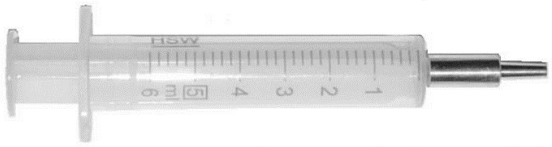
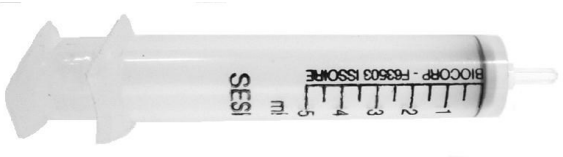
Syringes.

In order to perform the Water Detection test we offer a series of re-useable 5ml syringes. Low cost medical specification syringes should not be used for the test because they often have the incorrect tip size which will not fit the water detector capsule, and they may have an extremely short service life. However, although each re-useable syringe can be used to execute a number of tests, it does have a finite service life which is very dependant on the type of syringe, exact fuel specification, ambient conditions, and operating practices, hence syringes should always be considered as a consumable item. In time the seals will swell up and the Nylon itself will expand and render the syringe unserviceable. An alternative syringe is available which is made from Polyethylene. It has no rubber seal and comes with a special metal tip which is less prone to wear than the Nylon syringe and under certain operating conditions offers a longer service life. We have also developed a reverse action syringe which gives a one handed operation. The plunger is pushed (not pulled) to draw the fuel sample and this is more convenient to use when the operator is wearing thick gloves while carrying out the test.

5 ml Nylon Syringe, reverse action
Part No. 0902000127



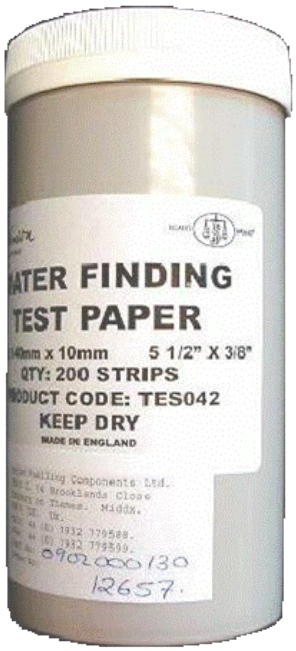
5 ml Polyethylene syringe with metal tip
Part No. 0902000125



5 ml Nylon Syringe
Part No. 0902000120

Water Finding Paper.

This product is commonly used to detect the presence of larger quantities of free water than would be sought with Shell Water Detector capsules. It is suitable for detecting free water in small tanks and in the bottom of fuel samples. The water finding paper is coated with a brown coating which stays in place when the paper is immersed in fuel, but is removed by any water which may be present, hence exposing the white base underneath.
We stock this product in plastic tubs of 200 strips per tub, each strip measuring 140mm by 10mm, and each tub is fitted with a sealed cap to prevent water ingress and consequent deterioration of the contents.



Water Finding Paper
Tub of 200 strips, each 140 mm x 10 mm.
Part No. 0902000130