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Bottom Sampler BTMS 542 (bayonet)

Applications

Our BTMS samplers provide the ideal tool for obtaining liquid samples from the bottom (or at a specified distance from the bottom) of a tank or reservoir. They are used to look for evidence of water underneath oil or fuel, for example, and can take samples from the fuel/water interface, for detecting microbial growth.

They can also be used to check the condition of the bottom of a tank, and to look for corrosion. They can be used to look for pollution in reservoirs or contamination in storage vessels.

In fact, wherever there is a need to check the contents at or near the bottom of a tank or reservoir, the BTMS sampler meets the need. It gives information that cannot be obtained reliably by tank-side sampling, for example.

In operation, the sampler remains sealed and empty as it is lowered into the liquid, until the "leg" contacts a solid surface (usually the bottom of the tank). The valve at the bottom of the sampler then opens, and the sampler fills. Air escapes through a non-return valve at the top of the sampler.

The protrusion of the leg can be adjusted, so that the sampler can take its sample from a predetermined height above the tank bottom.

As the sampler is lifted, the valve re-seals, ensuring that the sample is retained and not diluted on its way up through the liquid. The sampler therefore obtains true samples. It can take samples from any depth, as it is unaffected by outside pressure.

Specifications

Overall diameter	42.5mm
Overall length (Leg retracted)	50cm
Sampler capacity	470ml
Weight	1.6kg
Material	316 Stainless Steel
Sampling height above base	1-12cm



BTMS 542



The BTMS range also includes samplers that can be lowered through the vapour control valves on board oil tankers. Scan the QR code for further details and videos of some BTMS samplers in action.

Please contact us if you want further information about these or other equipment offered by **UK Sampling Gauges Ltd**, or if you require equipment to be adapted or modified.