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All-level Sampler RNS 502 D

Application

This All-level Sampler has been developed to take accurate samples of the entire contents of a tank. It collects liquid from the tank continuously as it moves downwards through the liquid from top to bottom. The sampler has a special valve to allow liquid to enter only while the sampler is moving downwards. The valve closes if the descent of the sampler is interrupted for any reason, and it remains closed while the sampler is withdrawn from the tank.

The sampler also has a new (patent applied for) design feature to ensure that the rate of filling is constant during operation, independent of both the depth of the sampler and the extent of filling. The top of the tube acts as a level indicator to check that the sampler is 70% - 80% full after sampling. These features together simplify the operator's task in taking an accurate sample.

The illustration shows the RNS 502 D (decanting) sampler in which the sample is simply emptied through the top cap. An alternative version is available, the RNS 502 S, with a self-sealing top cap, to meet the need for samples (of light fuels, for example) to be sent for analysis without any loss of "light ends."

Different inlet probe sizes are available, so that the sampler can be used to sample a wide range of liquid densities and viscosities, and tank depths, within practical time limits. These probes can be interchanged easily by the operator on-site.



RNS 502 D
(Dismantled for cleaning)

Specifications

Overall diameter	45mm
Overall length	52cm
Capacity	500ml
Material	316 Stainless Steel

Operation

The RNS 502 D sampler can be used in open sampling, together with our open sampling winders and, in closed/restricted sampling, with our MK 2 and MK 7 Winders.

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