Fixed Point Self-Sealing Sampler

(Floating Ball Sampler)

• Introduction

BQKD Fixed point self-sealing sampler is also known as floating ball sampler, controllable fixed point sampler, weighted controllable sampler, etc., with upper mouth sampling, in line with the standards: GB/T 4756 "Petroleum Liquid Manual sampling Method" and GB/T 6680 "General Principles for Sampling of Liquid Chemical Products" standards, made by special technology, the oil inlet adopts "a fixed point switch seal plug", can accurately collect samples at the specified place during sampling, automatically close the oil inlet after sampling, to ensure the purity of samples. It is suitable for sampling non-toxic and harmless petroleum products which are not volatile and liquid under normal pressure and normal ambient temperature (oil safety temperature). It is used for sampling at fixed points in oil storage tanks, oil containers, oil tank tankers, oil tankers, process pipelines and so on.

The fixed point self-sealing sampler (brass) adopts a stamping and stretching molding technology, without any welding part, which overcomes the problem that welding sampler is easy to leak oil from similar products of other manufacturers in the market. The bottom counterweight is assembled separately and isolated from the sampling space inside the sampler, which does not pollute the sample and ensures the purity and accuracy of the sample. With easy to use, safe and durable, will not change the oil sample composition, can meet the requirements of different forms of sampling.

• Main Features

2.1 A punching stretching molding, no welding parts, durable, not easy to leak;

2.2 In line with sampling standards, the bottle mouth is equipped with "a fixed point switch sealing plug", which can be automatically closed to achieve fixed point sampling inside the oil tank;

2.3 The bottom weighted lead is assembled separately, which is isolated from the sampling space inside the sampler and does not change the composition of the sample to ensure the accuracy of the sample;

2.4 Brass material, not easy to spark, can prevent the characteristics of static electricity, not only to ensure the personal safety of operators, but also to avoid safety risks caused by electric sparks.

2.5 It is suitable for sampling oil and gas, refined oil and volatile petrochemical products in oil and gas fields. It can effectively preserve sample composition, avoid volatile loss and be safe to use.

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•Main Technology Parameter

No.	Tech Indicator	Description
1	Material	Brass
2	Specification	330ml; 500 ml; 1000ml
3	Operating Temperature	-60℃ ~100℃
4	Dimension Parameters	
	330ml	67*180mm 1.04Kg
	500ml	73*210mm 1.3Kg
	1000ml	88*250mm 1.765Kg

• Instructions

4.1 Before sampling, one end of the antistatic sampling rope is grounded and the other end is connected with the controllable bottle stopper of the sampler, so as to manually control the opening of the bottle stopper after the sampler reaches the sampling point; Touch the tank with hands to eliminate static electricity to prevent electric sparks;

4.2 will the sampler is not greater than 1 m/s speed down to sample point (down from may, according to the known anti-static sampling the length of the rope judgment can also be ordered a tick marks of sampling rope), hard up quickly pulling sampling rope several times, make the sampling bottle open, began to sample, sample process with bubble overflow bottle;

4.3 Wait for the sampler to be filled with samples, the controllable stopper will be closed automatically, pull up the anti-static sampling rope to take out the sampler, transfer the sample, dry the sampler and store it, and the sampling process is over.

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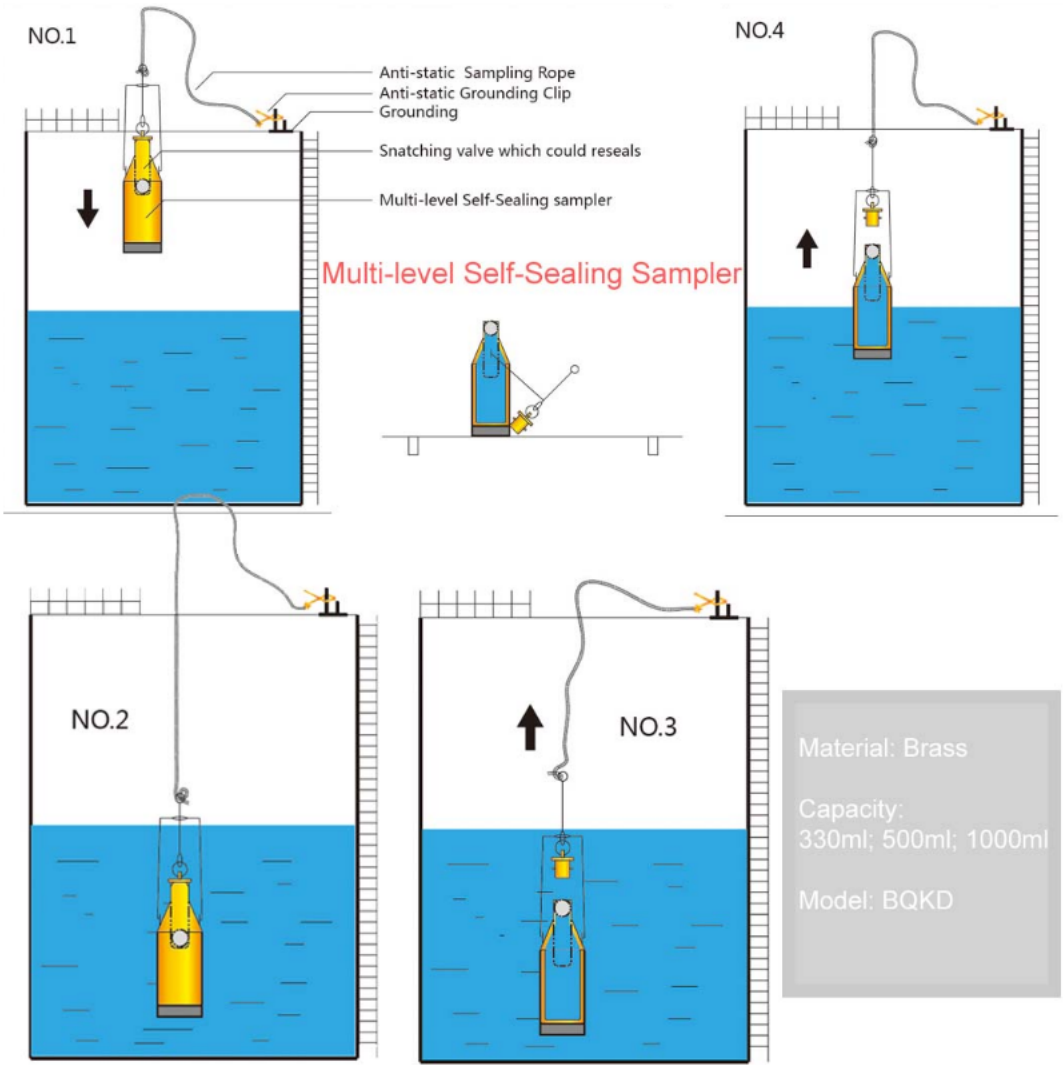

Tips:

1. When the sampler is put out, it should not touch the metal oil tank as far as possible to avoid safety accidents caused by electrostatic discharge;

2. Ensure that the sampler, esd sampling rope and grounding point are firmly connected during the sampling process to remove static electricity smoothly.

3. Use an esd sampling rope that meets the standard. Do not use an inferior sampling rope containing copper wire.

Liquid oil sampler based on sampling site selection recommendations:

Upper sample/middle sample: thin-wall weighted sampler; Detachable sampler; Controllable sampler;

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Cylinder sampler; Heavy oil sampler (suitable for collecting samples with high viscosity such as crude oil); Thin-wall sampler (light weight suitable for collecting light oil); Displacement sampler;

Bottom sample: bottom sampler; Whole-course sampler;

Full-layer sample: whole-process A/B sampler; Full-layer sampler; Displacement sampler;

Fixed point sample: controlled sampler; Fixed point self-sealing sampler; Tank car sampling tube; Whole A sampler.

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