KES

# Test Method for Water in Paint

KES T – L419

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KIA MOTORS

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## 1. Scope of Application

This standard shall specify the test method for measuring water content in paint distilled in volatile solution.

## 2. Apparatus

2.1 Moisture Measuring Device

The device is made with Pyrex glass flask that has water inspecting pipe that allows water to flow in reflux cooler. (Figure 1)

2.2 Water Inspecting Pipe

It is made with glass and has scale marks at 0.1 mℓ from 0 ~ 10 mℓ. The error allowed on the marks should be less than 0.05 mℓ. Outer diameter should be 2.5 ~ 3.5 mm larger than the inner diameter.

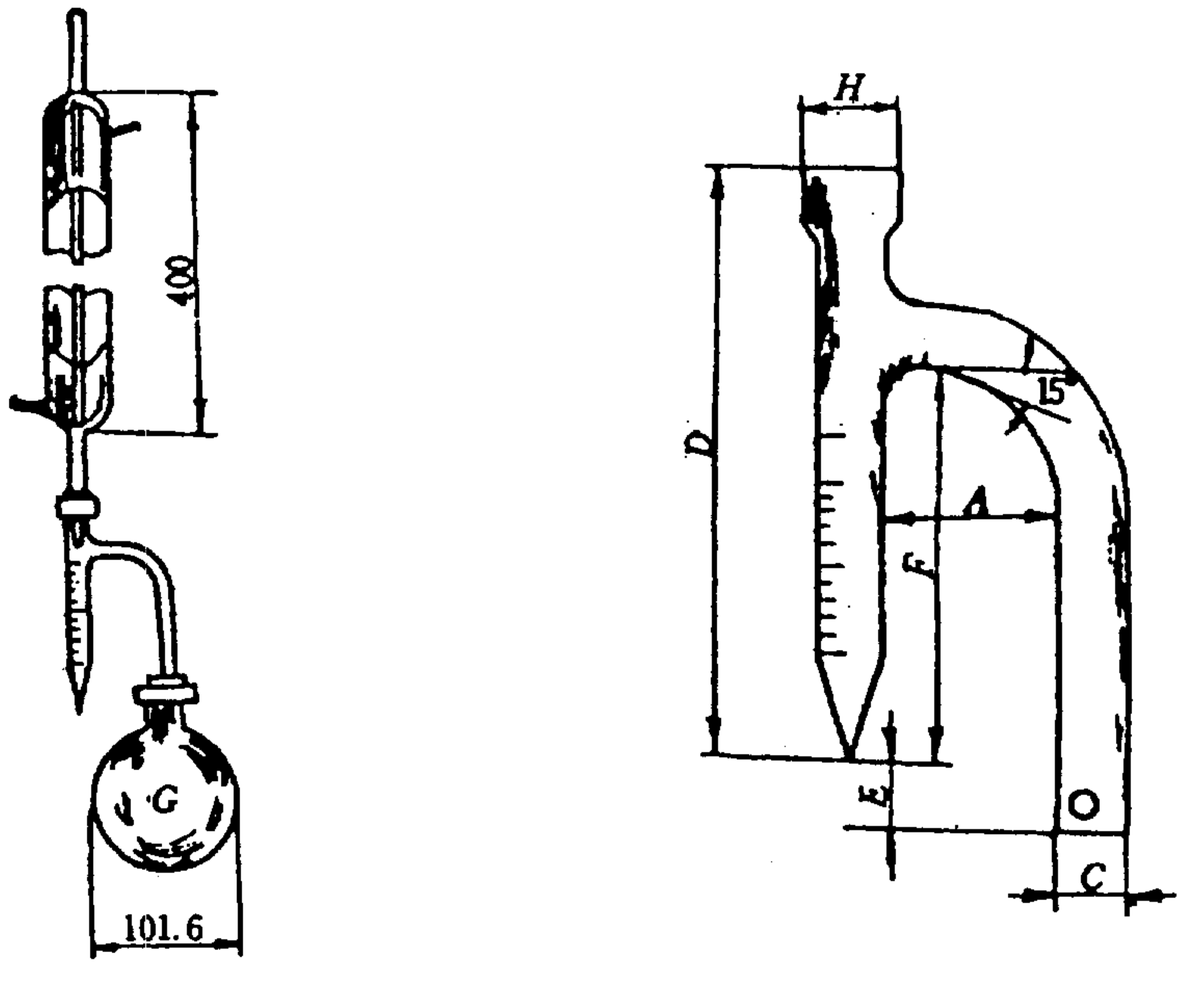


**Figure 1. Moisture Measuring Device**

A : 50 ± 5 mm

B : 15 ± 1 mm (Inner diameter / L)

C : 14 ± 2 mm (Inner diameter / L)

D : 160 ± 10 mm



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