EngineeringLabChina

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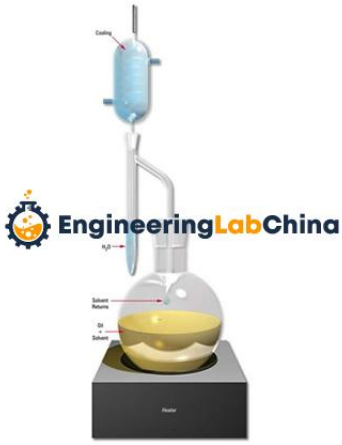
Product Name : Dean and Stark Apparatus	**Product Code :** CHINAELABC2710024



Description :

Dean and Stark Apparatus - The Dean And Stark Apparatus typically consists of vertical cylindrical glass tube, often with a volumetric graduation along its full length and a precision stopcock at its lower end, very much like a burette.

Technical Specification :

Excellent for use in a wide range of bitumen and asphalt testing industrial procedures. It's the ideal tool for use in an bitumen and asphalt testing workshop and engineering lab.

When their combined volume reaches the level of the side-arm, the upper, less-dense layer will begin to flow back to the reactor while the water layer will remain in the trap.
The trap will eventually reach capacity when the level of the water in it reaches the level of the side-arm.
The lower end of a reflux condenser fits into the top of the cylinder.
The reaction flask is heated.
Here, the immiscible liquids separate into layers (water below and solvent above it).
At this point, the trap must be drained into the receiving flask.
The process of evaporation/ condensation/ collection may be continued until it ceases to produce additional amounts of water.
Made of 3.3 borosilicate glass.
Uniform wall distribution of the Flask makes it suitable for heating.
Consists of a graduated 10 ml Receiver with 0.1 intervals.
Immediately below the joint between the condenser and the cylinder is a sloping side-arm that joins the cylinder to a reaction flask.
The lower end the side-arm turns sharply downward, so that the side-arm is connected to the reaction flask by a vertical tube.

Boiling chips within it assist with the calm formation of bubbles of vapor containing the reaction solvent and the component to be removed.
This vapor travels out of reaction flask up into the condenser where water being circulated around it causes it to cool and drip into the distilling trap.