Email : sales@scilabexport.com
Phone: +91-7082934803

Product Name :

Kipps Apparatus

Product Code :

102/My-26



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Description :

Kipps Apparatus (Product Code: 102/My-26) is a classic-type Kipp gas generator that produces gases such as carbon dioxide, hydrogen sulphide and hydrogen by the action of an acid, mainly hydrochloric acid, on a solid, without any heating. It lets a chemistry teacher or lab assistant draw gas on demand for a whole practical session and stop the reaction simply by closing the outlet. Schools and colleges setting up a Kipp generator in their India lab or abroad can source this 250 ml apparatus made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

Specifications

Parameter	Detail
Type	Kipp’s apparatus, classic type
Construction	Two main parts: an upper glass pot ending in the shape of a funnel, and a lower part made of two joined glass flasks
Volume	250 ml
Device height	300 to 350 mm
Gases produced	Carbon dioxide (CO_2), hydrogen sulphide (H_2S), hydrogen (H_2) and similar gases
Reagents used	An acid (mainly hydrochloric acid, HCl) acting on a solid such as granular calcium carbonate ($CaCO_3$), iron sulphide (FeS) or granular zinc (Zn)
Heating	Not required

Typical Use

The solid reagent is placed in the upper of the two joined flasks and acid is poured in through the funnel of the top pot, from where it fills the lowest flask and rises to meet the solid. Gas forms as soon as the two are in contact. When the outlet is closed, the gas pressure pushes the acid back down and away from the solid, so the reaction stops by itself; opening the outlet again restarts it. This makes the apparatus ideal for demonstrations such as preparing carbon dioxide from marble chips, hydrogen from zinc, or hydrogen sulphide for qualitative salt analysis.

The outlet is usually connected through rubber tubing to a delivery tube and gas jar, the standard gas collection apparatus in India’s school and college labs. Use granular or lump solids rather than powder so they stay in place, add acid slowly, and run hydrogen sulphide preparation only in a fume cupboard because the gas is toxic. Keep flames away when generating hydrogen. After the session, drain the spent acid safely, rinse all parts with water and let the glassware dry before storage.

Manufacturer

This generator is part of the chemistry apparatus range of Jain Scientific Equipments Private Limited, which operates as ScienceLab from Ambala, Haryana, and makes equipment for school, colleg e, see t