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

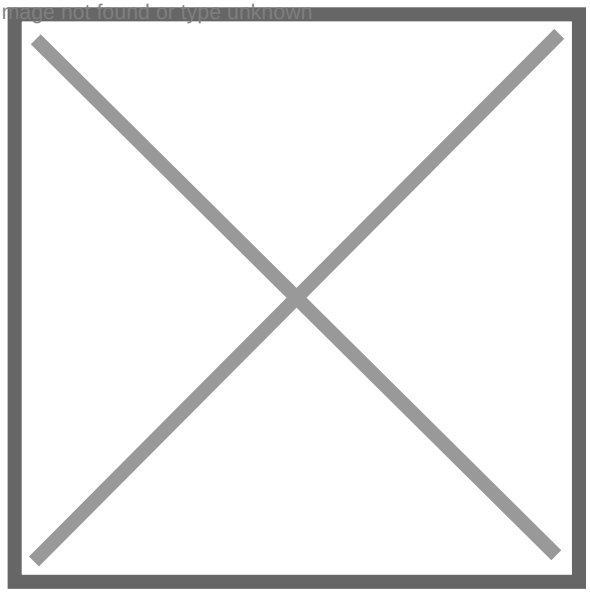
Product Name :

Gas Jar

Product Code :

SCL-686/089

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Description :

Gas Jar (Product Code: SCL-686/089) is a tall, open-mouthed cylinder of clear soda glass, 200 x 50 mm, used to collect and hold a gas so that its properties can be tested in front of a class. Students fill it with oxygen, hydrogen or carbon dioxide prepared at the bench, then cover it and carry out tests such as a glowing splint or lime water. The glass is chemical resistant and heat resistant, and its clarity lets everyone watch a colour change or a flame inside. It is a core part of any gas collection apparatus in a school laboratory and is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

Specifications

Parameter	Detail
Product Code	SCL-686/089
Size	200 x 50 mm
Material	Soda glass
Colour	Clear
Resistance	Chemical resistant, heat resistant
Purpose	Collecting and testing gases in practicals

Typical Use

For gases that do not dissolve readily in water, fill the jar with water, invert it over a beehive shelf in a pneumatic trough and let the gas from the delivery tube push the water out. Gases that are heavier or lighter than air can instead be collected by upward or downward displacement of air, with the jar standing upright or mouth down. Once full, slide a greased cover over the mouth, lift the jar out and keep it covered until the test.

Typical tests include relighting a glowing splint in oxygen, burning sulphur or magnesium ribbon held in a deflagrating spoon, or shaking carbon dioxide with lime water. When burning anything inside the jar, pour a little sand or water into the bottom first so hot residues cannot crack the base. Although the glass is heat resistant, a gas jar is a collection vessel rather than a heating vessel, so keep it off the burner. These simple habits make it one of the most reliable pieces of chemistry lab equipment in India's school practical rooms.

Manufacturer

Jain Scientific Equipments Private Limited operates as ScienceLab from Ambala, Haryana, manufacturing laboratory glassware and apparatus for schools, colleges and dealers in India and international markets. The company profile gives more background.

Related Chemistry Lab Equipment

Collecting a gas in the jar calls for a few more pieces of apparatus: