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Product Name :

Ripple Tank

Product Code :

SLE/PHY/121



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Description :

Ripple Tank (Product Code: SLE/PHY/121) is an economy ripple tank system used to show how water waves reflect, refract, diffract and interfere in school physics laboratories. Teachers choose it for its tough moulded frame, a 405 x 405 mm internal tank whose sloping sides minimise noise, and a 12V halogen lamp that lights the wave patterns clearly on the large transparent viewing surface. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
System type	Economy ripple tank system
Frame	Tough moulded frame with a large transparent viewing surface
Tank internal dimensions	405 x 405 mm
Tank external dimensions	420 x 420 mm
Tank sides	Sloping, to minimise noise
Light source	12V halogen lamp on a lamp unit with adjustable arm
Wave generator	Ripple motor with eccentric cam mounted on the ripple bar
Power supply	Not included
Product code	SLE/PHY/121
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

The Ripple Tank system comes complete with:

- Ripple tank
- Ripple motor, eccentric cam mounted on ripple bar
- 4 push-fit legs
- 3 support pillars for supporting the light source and rippler bar
- 2 motor support springs
- Lamp unit with adjustable arm
- 2 rippler bar hanging hooks
- Curved reflector
- 2 barriers
- Roller bar
- Hand stroboscope
- Concave perspex plate
- Rectangular perspex plate

What Is the Ripple Tank Used For?

A ripple tank turns wave behaviour into something a class can see. With a shallow layer of water in the tank, the light passing through the water is reflected by the bottom of the tank, and their bright patterns are visible on the screen. The tank is illuminated by a light source, and makes the moving patterns visible.

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