

GTEK Laboratory Davis Magnetic Tube Brochure



Description

The Davis magnetic tube or Davis magnetic tester is a laboratory machine designed to separate a small sample of pulverized magnetic iron ore into magnetic and non-magnetic fractions. The Davis separation tube is positioned between poles of a powerful electromagnet at an angle of 45° (adjustable) that is agitated back and forth and rotated by a motorized system. Magnetic particles are collected inside the tube in the zone of intense magnetism and all non-magnetic minerals are washed out.

Technical Specification

Magnetic Field Parameters	
<i>Pole Pitch</i>	52 mm
<i>Magnetic Field Intensity</i>	2500 / 3500 GS (stepless regulated)
Glass Tube Parameters	
<i>Diameter</i>	Φ 50 mm
<i>Oscillation Frequency</i>	70 times/min
<i>Migration Distance</i>	40 mm
Other Parameters	
<i>Sample Granularity</i>	0.5 mm
<i>Power Supply</i>	1P / 220V / 50 Hz
<i>Net Weight</i>	200 kg

Application

XCGS Davis magnetic tube or Davis magnetic tester can be used in laboratories of mine, metallurgy and geology.