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Product Name :

Multi Pump Test Rig

Product Code :

SLE/MCE/51



Science Lab
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Description :

Multi Pump Test Rig (Product Code: SLE/MCE/51) is a pump trainer used to examine a three-head multi pump and the effect of counter pressure on flow rate and mixing ratio in fluid mechanics and process engineering laboratories. Each head has its own stroke adjustment and overflow valve, draws from a shared 60 L feed tank and delivers up to 18 L/h into a scaled measuring tank. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Pump	Multi pump with 3 heads
Flow rate	3 x 0 to 18 L/h
Stroke rate	1 x 0 to 100 strokes/min, common to all 3 heads, set at the switch box
Stroke length	Individually adjustable for each head
Counter pressure	Three overflow valves, one per head; adjustable pressure range 2 to 6 bar
Maximum head	Approx. 10 m
Maximum suction head	Approx. 3 m
Delivery-side pressure	3 x 0 to 10 bar
Intake-side pressure	3 x -1 to 0 bar
Feed tank	60 L (1 tank)
Flow measuring tank	5 L volumetric tank with scale; level 3 x 0 to 20 cm
Power supply	230 V, 50 Hz, 1 phase
Dimensions	1250 x 500 x 950 mm
Weight	Approx. 90 kg
Product code	SLE/MCE/51
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Multi Pump Test Rig Used For?

In water treatment, chemical dosing and food processing, several liquids often have to be pumped in a fixed proportion, and multi-head pumps sharing one drive are a common way to do it. This rig lets students test how well that proportion holds. Each head carries water from the feed tank into its own scaled tank, so the delivered volume of every head can be read at the same time.

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watch ratio

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