



### Features:

- Variable speed motor driven stirrers
- Motor speed controller & indicator provided.

Tesca Flocculation Test Demonstrator is The present set-up is designed to conduct the coagulation and flocculation test in the laboratory. These tests are called the "Jar Test" which is routinely performed by the water treatment operators in the industry. This test indicates the optimum chemical dosages for the removal of turbidity and color present in water. It also indicates such auxiliary facts regarding pH adjustments and the necessity for the supplemental use of activated carbon. The laboratory-scale unit of the Flocculation test unit consists of 6 Nos. of Glass Flocculating vessels. These are provided on a translucent base which is illuminated from the bottom by a fluorescent lamp, fitted with a reflector. Each vessel is provided with a separate stirrer. A Paddle type SS Impeller is fixed on The stirrer shaft and the speed of the impellers can be regulated with the provided speed controller. All stirrers are driven with one variable speed motor. This paddle assembly can be easily removed for cleaning purposes.

Detailed Operation & Maintenance Manual is provided along with the trainer.

### Specifications:

- Six stirrers with stainless steel paddles, linked to a variable speed motor with electronic feedback speed control
- Stirrer speed range typically 25 to 240 rpm, with a digital speed display
- Easily demountable stirrer assemblies to allow test vessels to be removed and cleaned
- Digital timer, from 1 to 99 minutes
- Two adjustable preset programs
- Height: 0.46m
- Length: 0.75m
- Width: 0.21m

### Experiment Capabilities:

- To determine the optimum coagulant dosage.
- To determine the optimum pH.
- To determine the effect of mixing time and intensity on aggregation.

### Required Services:

- Electric Supply 230 V AC, Single Phase, Earthed.

Note: Specifications are subject to change.

### **Tesca Technologies Pvt. Ltd.**

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