



### Technical Specifications

- This Pipe Friction Apparatus allows students to study the change in the laws of resistance for laminar to turbulent flow and find the critical Reynolds number.
- During flow through pipes, pressure losses occur due to internal friction and friction between the fluid and the wall.
- The friction factor is determined with the aid of the Reynolds number, which describes the ratio of inertia forces to friction forces.
- Direct measurement of the pipe friction in laminar or turbulent flow.
- Transparent tank with overflow ensures constant water inlet pressure in the pipe section for experiments with laminar flow.
- For experiments with turbulent flow rate adjustment via valves.
- Shows the critical Reynolds Number and verifies Poiseuille's Equation for laminar flow
- Twin tube manometers for measurements in laminar flow.
- Twin tube manometer for measurements in turbulent flow.

### Technical Specifications

- Pipe section: Material: S.S
- Length: 500mm
- Inside diameter: 3mm
- Tank: Transparent PMMA
- Approx. 3L.
- Measuring ranges:
- Differential pressure: 2x 500mmWS
- LxWxH: 1000x650x1000mm
- Weight: Approx. 20kg

*Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.*



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