

Flow Through Helical Coil



Product Categories: [Engineering Equipment](#), [Momentum Transfer Lab](#)

Product Page: <https://www.labappara.com/product/flow-helical-coil/>

Product Description

Flow Through Helical Coil

Description:

Flow Through Helical Coil are used for heating or cooling in process tanks. When a fluid flow through a curved tube, centrifugal force acting upon the various elements of fluid moving with different velocities causes secondary circulation. Secondary flow results in higher heat transfer characteristics. Further secondary flow stabilizes the laminar flow leading of a higher critical reynolds number for transition from laminar to turbulent flow.

Technical Details:

Helical Coil Material Stainless Steel Dia - 12"

No. of Turns 15

Coil Tube Dia OD 21 mm, ID 17 mm (Approx.

Sump Tank Material Stainless Steel/PVC, Capacity 50 Ltrs.

Water Circulation of HP Pump, Crompton/Sharp make

Manometer 02 Nos

Flow measurement rotameter

Piping GI and PVC

Control panel comprising of Standard make on off switch, Mains Indicator