

PACKED AND FLUIDISED BED

HMT.BEDS



Packed bed is a hollow tube, pipe, or other vessel that is filled with a packing material.

The packing can be randomly filled with small objects like Raschig rings or else it can be a specifically designed structured packing.



In this experiment the friction factor will be measured as a function of Reynolds number for the flow of air/water through a bed of solid particles. Experimental results will be compared with theoretical predictions for the appropriate flow regimes.

The equipment includes two transparent beds, rotameters, manometers, a source of low pressure air, and appropriate valves and fittings.