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Product Name :
Deep Bed Filter Column

Product Code :
LBNY-0005-1190001



Description :

The Deep Bed Filter Column is a clear acrylic unit with flanged end pieces to allow easy access. Plain tubes also penetrate the medium through the wall to transmit pressure to a manometer system. The medium is supported on a corrosion resistant gauze mesh below which is packed 1kg of 10mm Ballotini to ensure good wash water distribution. Slotted sampling tubes inserted through the wall penetrate into the media, and are fitted with control valves so that suspension samples can be taken isokinetically.

The column can be operated as a pressure filter up to 1 barg. The service system supplied comprises a pump, sump tanks, flow controller, Rota meter, control valves, tubing, sampling tubes and bank of water differential manometers .

These sampling and manometer probes are located at 20mm depth intervals, but staggered in position, over 0.8m depth. Consequently, complete profiles of concentration changes in the suspension and of pressure variation can be measured during filter operation.

Technical Specification :

Filter Column : Clear acrylic, 100mm internal dia. x 1350mm long

Sump Tanks : 2 - capacity 350 liters each

Flow Meter Range : 0.5 - 5.0 liters/min

Typical Media Depth : 700mm

Gauze Mesh Size : 0.35mm

Pump Rating : 0.37kW

Manometers : 41 tube multi-bank.



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