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Product Name :
Ion Exchange Apparatus

Product Code :
LBNY-0005-1190005



Description :

A conductivity meter connected to the outlet of the second ion exchange bed gives a continuous indication of the progress of demineralisation. The apparatus is supplied with typical commercial cation and anion resins. Union couplings permit the tubes to be removed from the manifolds and interchanged for softening/demineralisation experiments.

Two vertical transparent tubes mounted on a backboard contain the cation and anion resins. A manifold arrangement at the inlet and outlet to the tubes allows the flow configuration to be changed to simulate the cycles involved in the operation of a deioniser.

Regenerant and test or wash solutions contained in separate sumps are selected by a traversing tube and delivered to the apparatus by pump through a control valve and flow meter. Effluent may be fed to a sump tank and treated water collected in bottles for tests on hardness, conductivity or dissolved solids.

Technical Specification :

Technical Details:

Pump: Self priming diaphragm type

Anion exchange resin: 0.75 liter

Cation exchange resin: 1 litre

Flow Meter range: 10-80ml/min

Sump tank capacity: 20 liters.

Specifications:

A manifold at inlet/outlet allows flow configuration changes.

Equipment includes pump, valves, conductivity meter and sumps for regenerant and test or wash solutions.

Self-contained apparatus either for single bed water softening or double bed system for demineralisation.
Two vertical transparent tubes house the resins.
Typical commercial cation and anion resins are supplied.



Laboratory Instrument India