

IONTEC

Mixed Bed Ion Exchanger



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The Principle

Ion Exchangers are insoluble granular substances which have in their molecular structure acidic or basic radicals that can exchange. The positive or negative ions fixed on these radicals are replaced by ions of the same sign in solution in the liquid in contact with them. The ion exchange is complete without deterioration or solubilization nor changing the total number of ions in the liquid before the exchange.

The ion exchange substances are used almost exclusively under the name of resins. There are two categories of it: the resins of the gel type and those of the macro porous or loosely cross-linked type. Their basic structure is identical: the macromolecular structure is obtained in both cases by copolymerization. The difference between them lies in their porosity.

- **Optional adjustment for pH-value**
by full automatic dosing with inlet water
- **Optional Process Visualisation**
Visualize and store continuously the process on the local PLC or at an upper SCADA System
- **Optional Remote Access Kit**
for online Software updates or trouble shooting within hours

Technical Data

Capacity	1 - 150 m ³ /h
Inlet Pressure	0-8 bar
Temperature of Operation	1°C - 60°C
Material	1.4301 / 1.4404 Epoxy / PP
PLC	Siematic S7



- **Efficient**

because of modular design and low internal water consumption

- **Full automatic**

controlled by high sophisticated process measurement

- **Flexible**

by using a local PLC or fully integrated in the overall process



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