

## Mixed Bed Filter Plant & Water Storage Tank



Stock No	<a href="#">MZ682</a>
Model	Waste Water Treatment
Condition	From a working environment
Process Stages	Continuous filtration
Other Info	Water storage Tank □ 1900 x 1400 x 3000
Location	Our Central Warehouse, Aldridge, UK
External Dimensions (WxDxH mm)	1500 x 1800 x 2150

### Description

#### Mixed Bed Filter Plant & Water Storage Tank

The filter contains a mixture of two resins that act as cation and anion exchangers attracting positive and negative ions, respectively. Basically, a mixed-bed filter is not regenerable, so renewal of the resin is either by replacing the resin alone or by replacing the complete filter typically in connection with a planned service review.

Mixed bed deionization is a 50/50 mixture of cation and anion resin combined in a single ion exchange column. With proper pre-treatment, product water purified from a single pass through a mixed bed ion exchange column is the purest that can be made.

Most commonly, mixed bed demineralizers are used for final water polishing to clean the last few ions within water prior to



use.

Commercial mixed bed deionization units have elaborate internal water and regenerant distribution systems for regeneration.

A control system operates pumps and valves for the regenerants of spent anions and cations resins within the ion exchange column.

Each is regenerated separately, then remixed during the regeneration process. Because of the high quality of product water achieved, and because of the expense and difficulty of regeneration, mixed bed demineralizers are used only when the highest purity water is required.

**Photographs taken prior refurbishment. Our refurbishment service is not available on all machines.**