

Mixed Bed Polishers

A mixed bed polisher has both cation and anion exchange resins in a single cylinder. Together they demineralise to produce low conductivity, high quality water. The mixed bed polisher units can be bought in a number of sizes to accommodate different flow rates and can be used in a wide range of applications. We have two qualities of mixed bed polisher resin available.



MB400 / NRW37

Maintenance

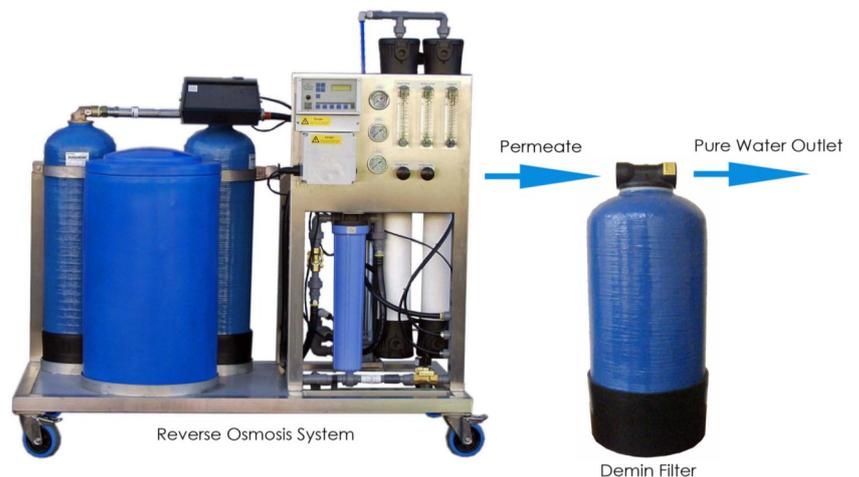
The only maintenance required is replacement of resin once depleted. The head must be removed and the old resin tipped out. The cylinder can then be re-filled with fresh resin. Mixed bed demin vessels are therefore ideal for use where small volumes of pure water are required or low TDS water (such as RO permeate) need to be polished. Different size vessels can be used according to flow rate as shown in table below.

Manual Valve

A mixed bed polisher consists of a pressure vessel, media, manual valve, riser tube, upper distributor and lower distributor. Quick release couplings are available which fit directly onto the manual valve, allowing for easier connection and dis-connection from pipework. The valve allows water to pass through the bed, up through the riser and out to service.



An example of how a mixed bed polisher can be used after an RO



Resilite

A conductivity device called a Resilite can be used to alert the user that the resin is spent and needs to be replaced. Resilites have a factory set upper conductivity limit. When this is reached a green light turns to red. There are a number of models, each with a different set point. The most common is 20us. We can build the mixed bed polisher with a 3-port head which allows the Resilite to be integrated into the system.

Technical Table

| Model | MB25 | MB50 | MB100 | MB200 |
|--------------------|---------------------|---------------------|---------------------|---------------------|
| Flow Rate | 1m ³ /hr | 2m ³ /hr | 4m ³ /hr | 8m ³ /hr |
| Litres of resin | 25 | 50 | 100 | 200 |
| Vessel | 9" x 35" | 10" x 54" | 14" x 65" | 18" x 65" |
| Capacity at 200ppm | 2.5m ³ | 5m ³ | 10m ³ | 20m ³ |
| Connections | 3/4" | 3/4" | 3/4" | 3/4" |

