

HYGIENE DIRECT

HyGenie Pure MB115

MIXED BED DEIONISING RESIN

Premium ready-to-use mixed bed resin for producing high-purity deionised water. Combines strong acid cation and strong base anion exchange resins in regenerated H⁺ and OH⁻ forms.

Product overview

HyGenie Pure MB115 is designed for final polishing and non-regenerable mixed bed applications where reliable production of very high-quality water and low ionic contamination are required. The resin is supplied pre-mixed and ready for use.

Key benefits

- Ready-to-use H⁺ / OH⁻ mixed bed formulation
- High exchange capacity with a strong acid / strong base resin combination
- Suitable for polishing reverse-osmosis permeate and other low-solids feedwater
- Stable crosslinked polystyrene bead structure
- Suitable for cartridge and pressure-vessel applications

Technical properties

PROPERTY	TYPICAL VALUE
Resin type	Strong acid cation / strong base anion, Type I mixture
Matrix structure	Crosslinked polystyrene
Functional groups	Sulphonic acid / quaternary ammonium Type I
Ionic form supplied	H ⁺ / OH ⁻ form mixture
Mixing ratio	1 : 1.5 by volume (cation : anion)
Total exchange capacity	Minimum 1.8 / 1.0 meq/mL (H ⁺ / OH ⁻)
Operating pH range	0-14
Maximum operating temperature	80 degrees C
Appearance	Mixed spherical resin beads
Solubility	Insoluble in water

Typical applications

- Pure-water window cleaning systems
- Final polishing after reverse osmosis
- DI cartridges and exchange vessels
- High-purity industrial water applications

Use and storage

- Install and operate in accordance with the equipment manufacturer's instructions.
- For best performance, use suitable pre-treatment and minimise suspended solids, iron, heavy metals and oxidising contaminants in the feedwater.
- Keep the resin moist. Do not allow it to dry out, as rewetting can cause expansion.
- Store in the original, tightly closed container between 0 degrees C and 40 degrees C, away from heat and strong oxidising agents.

Safety and regulatory information

GHS status: Not classified as hazardous under New Zealand GHS7. Not classified as dangerous goods for transport. Spilled beads may create a slip hazard; avoid eye contact and avoid breathing dust from dried resin.

Important: Refer to the current HyGenie Pure MB115 Safety Data Sheet before handling or disposal.

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The information is based on current technical data and is provided as general guidance. Actual performance depends on feedwater quality, equipment configuration and operating conditions.