

## PRODUCT INFORMATION

# SEPLITE® Monojet™ MB615U

Uniform particle size, Separable Mixed bed resin, Ultra pure water



## •Descriptions

SEPLITE® MB 615U is an ultrapure, ready to use mixed bed resin, comprising strongly acidic cation (SAC) and strongly basic (type I) gel anion (SBA) resins.

The resins are highly regenerated and specially cleaned in order to comply with the specifications of producing high purified water, such as low TOC leaching, high operating capacity.

The resins are pre-mixed corresponding to the total capacity of the individual components to an equivalent ratio of 1:1.

With its uniform particle size which enables excellent kinetic performance and high service flow rate, the low fines result in very low pressure losses compared with Gaussian distributed resins.

## •Physical and Chemical Characteristics

|                                        |                                            |                              |
|----------------------------------------|--------------------------------------------|------------------------------|
| Matrix Structure                       | Gel, Styrene-divinylbenzene                |                              |
| Functional group                       | Sulfonic acid / quaternary amine           |                              |
| Shipping form                          | H <sup>+</sup> / OH <sup>-</sup>           |                              |
| Physical Appearance                    | Amber to brown translucent spherical beads |                              |
| Particle size (mm)                     | Cation: 0.65±0.05mm                        | Anion: 0.59±0.05mm           |
| Moisture content (%)                   | 46-51 (H <sup>+</sup> Form)                | 55-65 (OH <sup>-</sup> Form) |
| Total Capacity(eq/L)                   | ≥2.0 (H <sup>+</sup> Form)                 | ≥1.1 (OH <sup>-</sup> Form)  |
| Regenerated Conversion (%)             | >99                                        | >95                          |
| Cation/Anion chemical equivalent ratio | 1:1                                        |                              |
| Bulk Density ( g/l)                    | 690-740                                    |                              |
| Uniform coefficient                    | <1.2                                       | <1.2                         |
| TOC leakage*                           | <5 ppb after 50 BV rinsing at 30 BV/h      |                              |
| Resistivity*                           | >18 MΩ.cm after 15 BV rinse at 30 BV/h     |                              |

Note\* Recommended influent water quality: Inlet Resistivity > 16 MΩ.cm, TOC < 20 ppb

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### •Precautions

Resins should be stored in sealed containers or bags where temperature was above 0°C in dry conditions without exposure to direct sunlight.

Do not mix ion exchange resin with strong oxidizing agents; otherwise it will cause violent reactions.

In case of eyes contact with resins, rinse eyes immediately with plenty of water, and consult a specialist.

Material and samples must be disposed according to local regulations.

Dry polymers will expand when become wetted and may cause an exothermic reaction.

Spilled materials may be slippery.

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