

HYDROLUX® CLT RB12UP

A Chelating Resin for Boron Removal

Descriptions

HYDROLUX® CLT RB12UP is a superior grade chelating resin with high selectivity to Boron earth

- 1.Trace Boron removal from UPW
- 2.Boron removal for water used in irrigation

HYDROLUX® CLT RB12UP property allows operators of resin to use it in more superior conditions such as fast diffusion time, high operating capacity, mechanical/chemical stability and better effluent quality.

HYDROLUX® CLT RB12UP is especially suitable for use in final polishing from UPW

Specification

Matrix	Polystyrene + DVB Macroporous
Functional Group	N-methylglucamine
Ionic Form	Free Base
Shipping Weight (g/L)	700 ± 5%
Total Capacity (eq/L)	0.8 ↑
Capacity (eq/L)	0.4 eq/l as boron ↑
Moisture Retention (%)	50 ± 5
Particle Size(mm)	0.3-1.2
Whole Prefect Beads (%)	95 ↑
ΔTOC	< 5 ppb (in 48 hr)
Operating Temperature	60°C max
Operating pH	4 ~ 10

Suggested Operating Data

Maximum Temperature	60 °C
pH Range	4~10
Minimum Bed Depth	800 mm
Inlet Resistivity	> 17.5 MΩ·cm
Inlet Total Organic Carbon	< 2 ppb
Inlet Space Velocity	30 h ⁻¹

Handling

To protect eyes and skin of operator, protective gears such as glasses, sometimes gloves are necessary. It is recommended that eye-wash facilities are nearby at the using area. Since it is small beads type, it will be very slippery when it is spilled on the floor. Exposure to high temperature, sparks and flames should be avoided.

Exposure to or mixing with oxidizing agents like nitric acid also should be avoided for the safety.

Storage

Dry, cool and dark places with ventilation are recommended. Storage container bags or drums should be tightly sealed to prevent intrusion of impurities and drying. At high temperature, degradation of capacity may occur and below freezing temperature, freezing of resin may occur. The freezing may cause physical breakage leading to low whole bead count.

Disposal

There are two ways to dispose of resins. Unused ones could be discarded by landfill or incineration following local regulations with fore-mentioned cautions. For incineration, furnace equipped with suitable safety measures is necessary because toxins such as SOX, NOX, COX could be generated. Used ones could be landfilled or incinerated as well but poisonous materials like heavy metals, if they are contained, should be removed before resins be discarded.

Packaging

25L PE Bag / 50L Drum/ 1,000L Ton bag

Hydrolux Technology Co., Ltd.

We are experts on liquid purification

HEADQUARTERS
5F., NO.7-1, Sec. 1, NanChang Rd., Zhongzheng
Dist., Taipei City 10074, Taiwan
TEL +886 2 23966266 FAX +886 2 23964136

FACTORY
NO.19, Ln.777, Dondping Rd., Taiping Dist.,
Taichung City 41141, Taiwan