Full Automatic Intelligent Ion Exchange System

Hongmao automatic intelligent ion exchange system, using valve array control, desalting (decoloring), regeneration, washing at the same time, intelligent control, one-button start, online monitoring of various indicators.

Adopt bottom feeding and top discharging. The material is in full contact with the resin and the pressure is reduced to avoid the resin breaking. Compared with the traditional ion exchange system, the consumption of chemicals and detergents can be saved by nearly 50%.

Features:

1) Serial column desorption, low concentration to push high concentration, solves the problem of washing water strip.
2) Online backwashing and cross regeneration to ensure the resin exchange capacity.
3) Column regeneration makes the regenerator fully utilized and reduces the consumption of the regenerator.
4) Column washing reduces the amount of washing water and reduces the discharge qty. of sewage.
5) Valve array control can realize cross-column operation and facilitate equipment maintenance.
6) Automatic intelligent control reduces human factors and ensures the stability of discharging quality.

Technical parameters

Model	Feed DS, %	I.E. feed capacity, m3/h	Working temp. ℃	Discharge cond.	Product capacity, tpy
HM-AIE-Q1.0	28-35	3.0-4.5	45-55	＜20	10000
HM-AIE-Q2.0	28-35	6.5-8.0	45-55	＜20	20000
HM-AIE-Q3.0	28-35	8.5-10.5	45-55	＜20	30000
HM-AIE-Q6.0	28-35	16.5-20.5	45-55	＜20	60000
HM-AIE-Q10.0	28-35	27.5-34.5	45-55	＜20	100000
HM-AIE-Q15.0	28-35	41.5-51.5	45-55	＜20	150000
HM-AIE-Q20.0	28-35	55.0-69.0	45-55	＜20	200000

Hongmao relies on the professional design, the strict production management, the fine processing procedure, provides the high efficiency and energy saving equipment system for the customer. Manufacturing factory has passed the international ISO9001 quality system certification, and with the design and manufacturing capacity of pressure vessels. Customers can choose international ISO, EU CE and other standards for equipment design and production according to their needs.