200 DAC

Equipment Introduction

Equipped with a dynamic axial compression column 150mm pilot scale system, make use of H-TREE patent distribution system, better separation. Preparative column and packed column system with integrated design, column packing process is very simple, 10μm fillers can achieve almost the same high analytical column injection efficiency preparative column cargo is available online, without having to remove, and always within the column bed maintaining axial dynamic pressure, to maintain the column bed long-term stability and efficiency, a single sample volume can be better achieved about 20g. This product is suitable for the annual output of 100kg pure product customers.

The Characters of 200DAC System

- The characters of 200DAC system
- Column packing convenience, the operator can own column packing.
- Column efficiency keeps long life time.
- Using H-TREE patented distribution design, good separation.
- Easy to move the entire system can be adapted to different locations experimental work.
- Dynamic axial compression column according to user needs.
- Injection mode optional for separately pump or valve.
- Maximum and minimum pressure adjustable, higher than the maximum pressure immediately stop the pump, the pressure below the minimum delay 2min automatically stops the pump.

Technical Parameters

Column

Column Tube Diameter	ID 200 mm, length 650 mm (standard)
Column Tube Material	316 L stainless steel
Wall Roughness	Ra ≤ 0.4 μm
Piston Material	316 L stainless steel
Sieve Material	316 L stainless steel, aperture: 3 - 5 μm
Maximum Pressure	10 MPa
Pressure Demand	≥ 0.8 MPa
Gas Demand	≥ 3 m^3

Technical Parameters

Pump

Infusion Working Mode	Dual piston reciprocating pump
Pump Head	3000 mL Stainless steel pump head
Maximum Working Pressure	10 MPa
Flow Range	(0 ~ 3000) mL / min
Flow Accuracy	± 1.5 %
Flow Repeatability	RSD ≤ 1.0 %
Working Mode	Isocratic or Gradient
Gathering Unit	According to user needs configure automatic or manual collection device

Detector

Wavelength Range	(190 ~ 700) nm
Light Source	Deuterium lamp (standard configuration); tungsten lamp (Optional available)
Wavelength Accuracy	± 2 nm
Wavelength Repeatability	0.4 nm
Detection Range	(0~2) AU
Baseline Noise	3 X 10^{-5} AU
Baseline Drift	1 X 10^{-3} AU/h