

500DAC

Applications

500DAC system is widely used natural product purification, purification of fine chemical intermediates, pharmaceutical purification: synthetic drugs, fermentation medicine, bio-pharmaceuticals, etc.

The Character of 500DAC System

- Perfect workflow - completely customized according to customer demand.
- Excellent product - unique key technology and patents.
- Safe operation - perfect processes of proof and protective.
- In full compliance with the FDA and cGMP certification requirements: to provide a full set of compliance with regulatory requirements documents and services

Technical Parameters

Piston

Material	316 L
----------	-------

Hydraulic Cylinder

Pressure Demand	Without hydraulic cylinder ≥ 0.5 MPa, With a hydraulic cylinder ≥ 0.8 MPa
Gas Demand	Without hydraulic cylinder ≥ 0.5 m ³ , a hydraulic cylinder ≥ 4 m ³
Power Requirements	18 kW
Maximum Flow	10 L/min
Maximum System Pressure	10 MPa
Flow Accuracy	± 1.5 %
Flow Repeatability	RSD ≤ 1.0%
Wavelength Range	(190 ~ 700) nm, deuterium lamp (standard configuration); tungsten lamp (Optional available)
Wavelength Accuracy	± 2nm
Baseline Noise	± 2 × 10 ⁻⁵ AU
Baseline Drifts	4 × 10 ⁻⁴ AU/h
Working Mode	Isocratic or Gradient

Technical Parameters

Column

Diameter	ID 500 mm
Length	850 mm (without hydraulic cylinder, standard); 650 mm (with a hydraulic cylinder, standard)
Wall	Ra ≤ 0.4 μm
Material	316 L

Filter

Material	316 L
Pore Size	3 - 5 μm

