

High speed countercurrent chromatograph

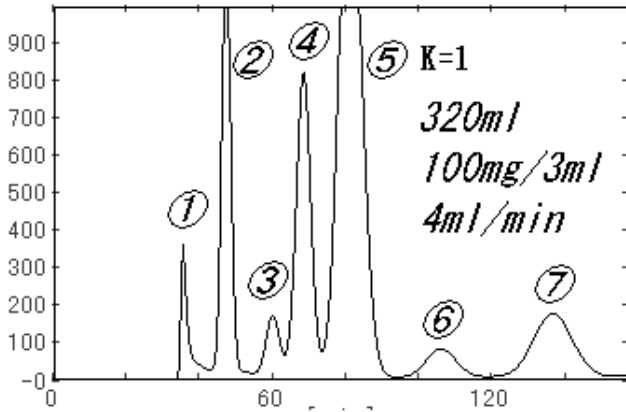
Easy – PREPccc H type HL type



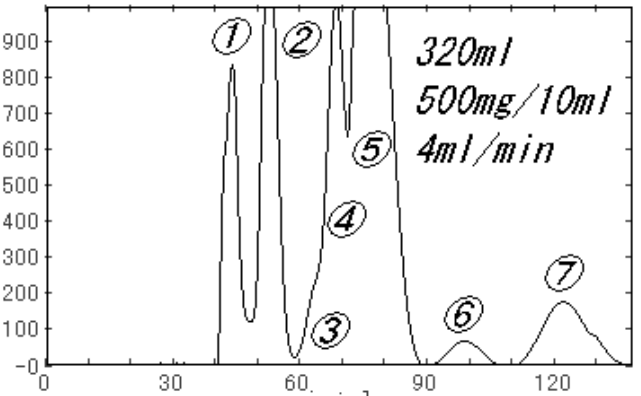
KUTUWA SANGYO

**Column performance** H type machine H Sample polyphenol solvent system ethyl acetate: water (PH3)

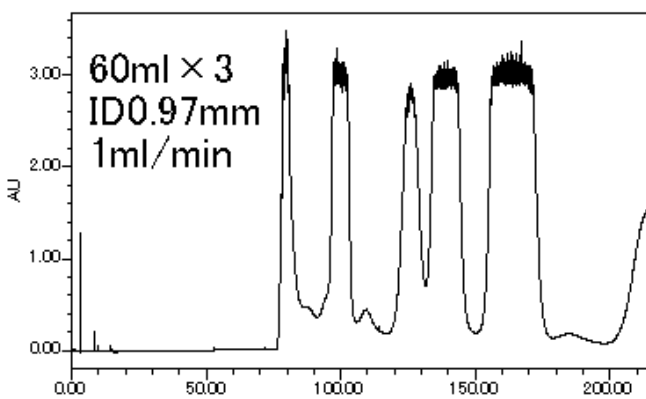
**SEMI PREP Column 320ml ID1.6mm**



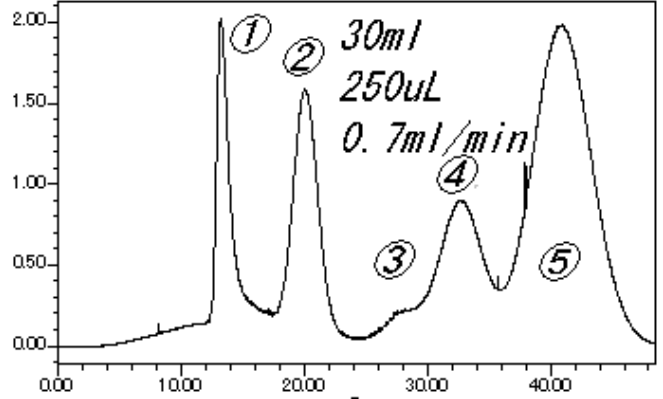
**SEMI PREP Column 320ml ID1.6mm**



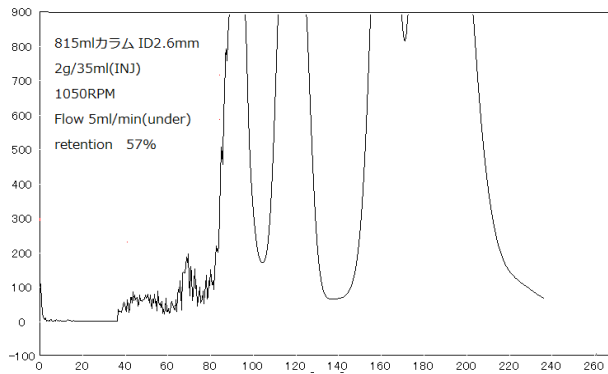
**ANALITCAL COLUMN 180ml ID0.97mm**



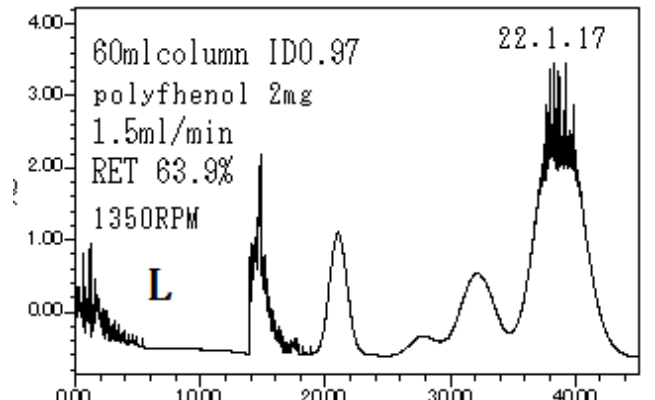
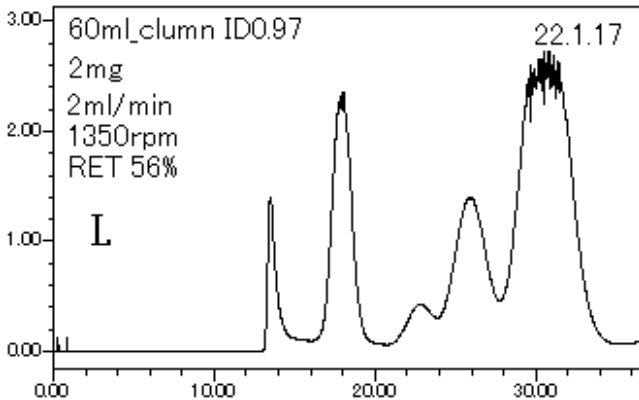
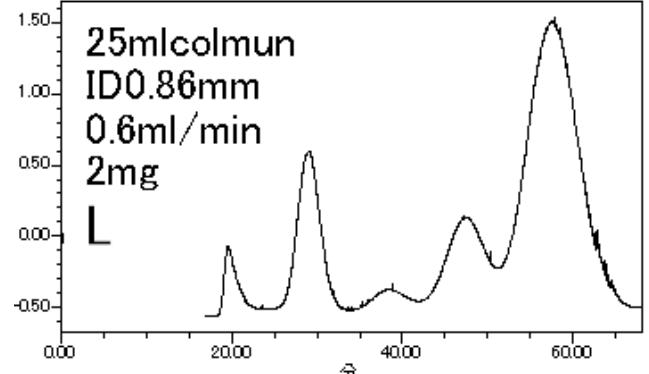
**ANALITCAL COLUMN 30ml ID1.0mm**



**PREP Column 820ml ID2.6**



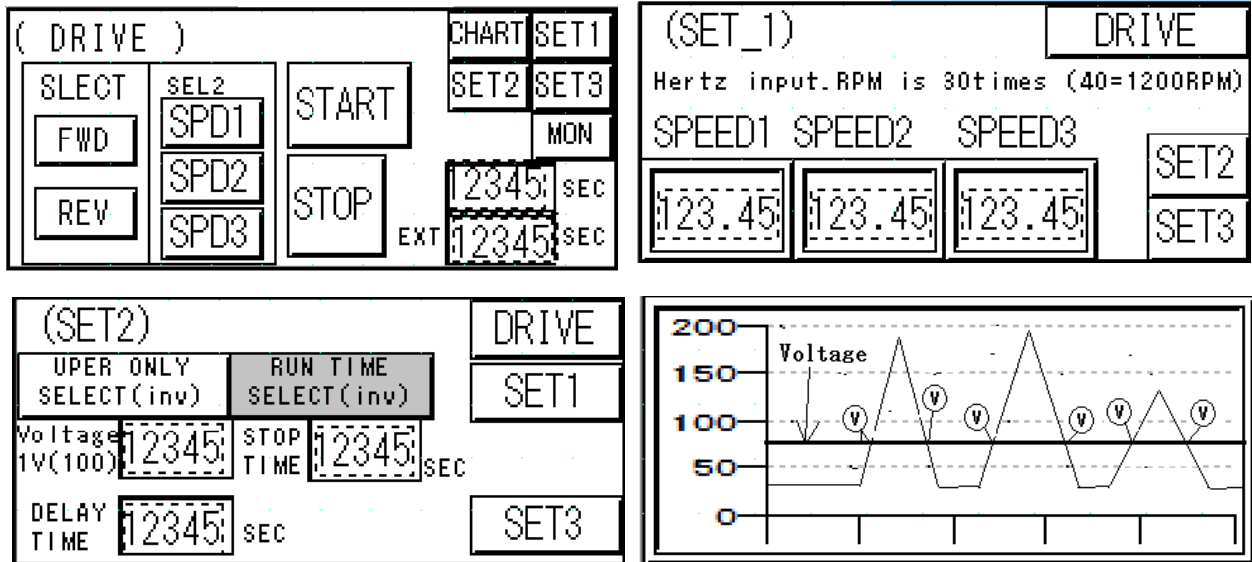
**HL type machine L**



## Features of Easy-PREP H type and HL type

1. Explosion-proof motor Independent rotor box and electric box
2. The touch panel makes operation easier. Timer operation is possible. The motor and PUMP can be stopped after the introduction of the fixed phase is completed. By installing a liquid leak sensor (option), the system can be automatically stopped in the event of an abnormality.

Easy-to-replace cartridge type transfer tube (column connection tube)、UV voltage input by setting threshold value Solvent front alarm (flacore start contact output)Valve switching, valve type flare, etc. are possible.U



3. Compact size Large capacity has been achieved.

The 3-column rotor system makes it possible to increase the capacity. It is a structure that does not require counterbalance.

You can also select a 1-column rotor for small-capacity columns.

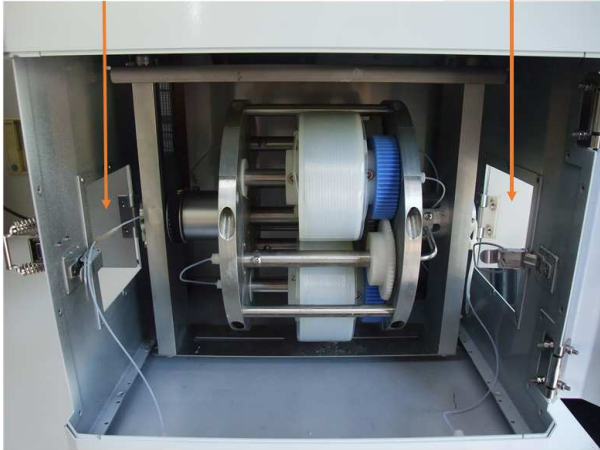
4. High speed rotation is possible. The rotor is a single body with a motor and has a structure that absorbs vibration by hanging it with a spring.

5. Easy maintenance with cartridge type transfer tube assembly.(3 type)

The tip of the cartridge type transfer tube is a flange type that does not have to worry about liquid leakage.



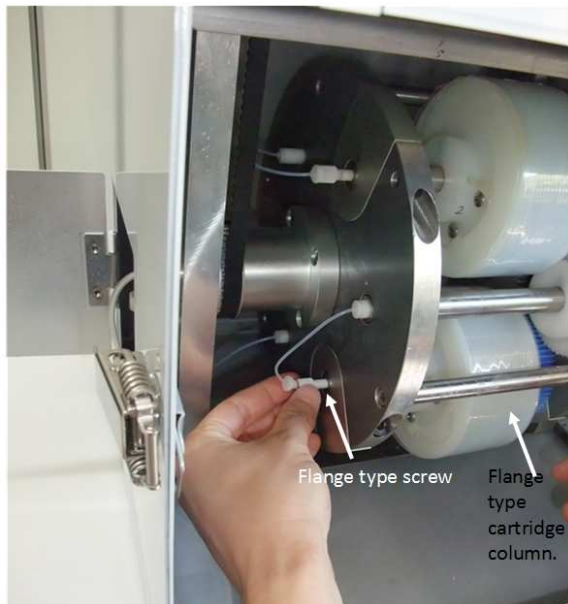
① Side door (opened during maintenance)



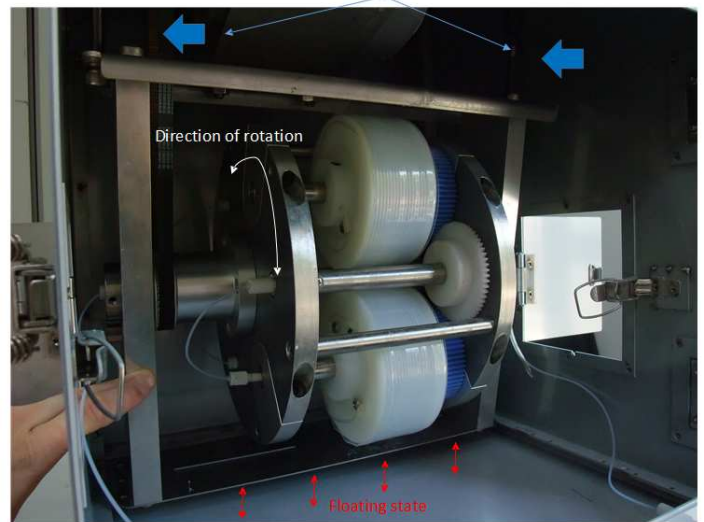
② Cartridge type transfer tube can be attached and removed easily.



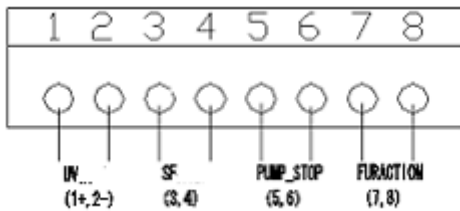
③ Flange type cartridge column can be connected easily with liquid leakage prevention.



④ With hanging rotor motor suspended by springs



**External terminal**



1,2 UV(Voltage) 1 + ,2- (0,10V)

3,4 SF

5,6 PUMP STOP

7,8 Valve FRACTION

Easy-PREP H-type specifications

H type body size 40 cm W x 40 cm D x 70 cm H (excluding protrusions) External terminal

HL type body size 40 cm W x 45 cm D x 80 cm H (excluding protrusions)

Power supply 100-115V 300W

H-type HL-type rotor, 3-column rotor, 120 ° placement system

Single column rotor

Rotation speed MAX 180 ~ 1500 rpm (rotor)

Chamber made of stainless steel

Mass H type approx. 30 kg HL type approx. 35 kg

Standard column Semi-prep column ID 1.6  $\phi$   $\beta$  value 0.76 (MAX) 320 ml (107 ml x 3)

Types of cartridge type columns (H type, HL type)

Analysis column ID 1.0  $\phi$  75 ml 25 ml x 3 (optional)

Analysis column ID 1.0  $\phi$  180 ml 60 ml x 3 (optional)

Semi-prep column ID 1.6  $\phi$  320 ml 107 ml x 3

Preparative column ID 2.6  $\phi$  850 ml 280 ml x 3 (option)

\* Columns can be manufactured upon request.

\* Reference dissolution mass varies depending on the sample.

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