

Continuous Tubular Centrifuge

CT15

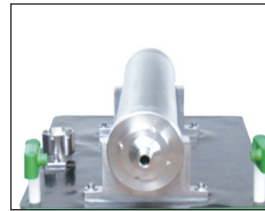
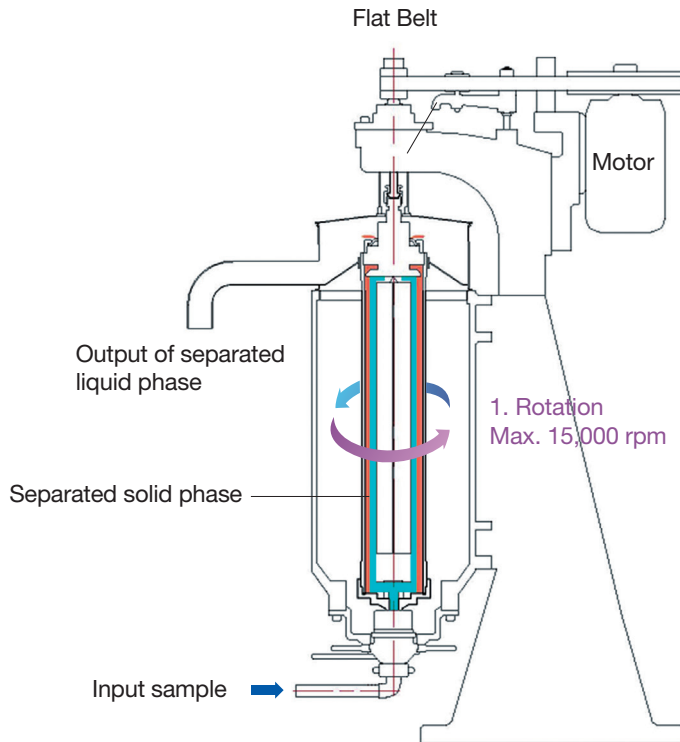
- Tubular type industrial centrifuge for continuous sample separation
- Two-phase separation of liquid and solid
- Used for collecting precipitates or sludge of pharmaceutical, food processing, chemical industry or water treatment, etc.
- Good for the separation of highly viscous samples instead of filtration
- The sample flows into the bottom of the rotating bowl, the solid accumulates on the inner wall, and the liquid is discharged at the top.
- Premium quality stainless steel bowl with painted steel body or all stainless steel body
- Accurate speed control from 1,000 to 15,000 RPM through inverter and RPM Sensor
- Safety schemes of motor cut-off at door-open for spinning and distinctive emergency stop button

Provided with 3 types of input nozzles (ø 3, 4, & 5 mm)

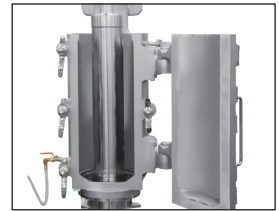
Stainless steel trolley for handling bowl and keeping tools



Mechanical Structure



Bowl

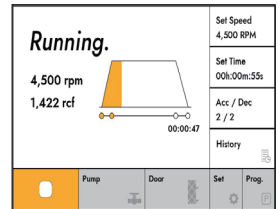


Door



Injection Pump

Peristaltic Injection Pump
or Diaphragm Pump



Controller

Applications

Pharmaceutical areas

Collection of pharmaceutical intermediates, herb extracts, plant fibers and chlorella

Food processing areas

Soy bean, fat, vegetable oil, starches, grains, gelatin, amino acids, soy sauce, reducing fat in milk

Chemistry industry areas

Cleaning and collection of ink, paints, ammonia, barium, aluminum, zinc, activated charcoal and stainings

Waste water treatment

Cleaning on straining waste water, leather waste water, petroleum tank sludge, waste oil

The other fields

Milk fat processing, cosmetics, cod-liver oil, yeast processing, and many other separation of solution and collection of solids

Technical Specification_Main unit

Functions	Specification
Main unit	
Motor	
Power	380V 3.7kW (3-phase)
Tubular Bowl	
Net Capacity (L) / Weight (kg)	9 / 27
Dimension (inner/outer)	157(ϕ) x 142(ϕ) x 960(L) mm
Material	Stainless Steel 316L
Sample Collection Sheet	Teflon with a dimension of 733x395x0.4 mm
Sample Feeding pump	Peristaltic Tubing Pump (WT600-2J)
Frame and Door, Material	Powder-painted Steel (optional) Stainless steel 304 (optional) Water-jacketed
Frame Base	Powder-painted Steel H-beam with 4 wheels and 6 balancing foot
Trolley for Bowl and Tools	Stainless steel trolley with tools in a box
Dimensions (W x D x H, mm) with H-beam base without pump or trolley	860(W) x 1085(D) x 1900(H) : Door closed 860(W) x 1430(D) x 1900(H) : Door open
Net Weight with H-beam base without pump or trolley	564 kg

Technical Specification_Control unit

Functions	Specification
Control unit	
Display screen	7" wide touch (Capacitive type)
Speed control	1,000 ~ 15,000 RPM
Max. RCF	15,801 xg (Radius : 62.814 mm)
ACC / DEC ramps	3 / 4
Program memory	99
Time control	< 100 hours
Data transport	Yes (USB port)
History tracking	Yes
Inverter control	3P4W 380V, 7.5KW
Pump control	Selectable, auto or manual
Safeties	
Actual speed sensing	Yes
Door close/open sensing	Yes
Emergency Stop switch	Yes
Foot switch	Optional
Level sensor 1, 2	Optional
Dimensions (W x D x H mm)	405x 460 x 1310 (incl. warning light)
Weight without cables	47 kg