

# EC 1000 & EC 2000

## EXTRACTION SYSTEMS

EC 1000 and EC 2000 are efficient and economical extraction systems. They can improve the soymilk yield by up to 25%. While EC 1000 can extract up to 1000 L/h of soymilk base, EC 2000 has twice the capacity. Both models extract soymilk and wash okara simultaneously. This rewash process yields a weak soymilk, which is recycled back to the grinder (feed hopper). This upgrade can be used in combination with the *Okara Conveying System* and Clean-In-Place (CIP) options. *Spare Cones* are also available.



ProSoya's EC 2000

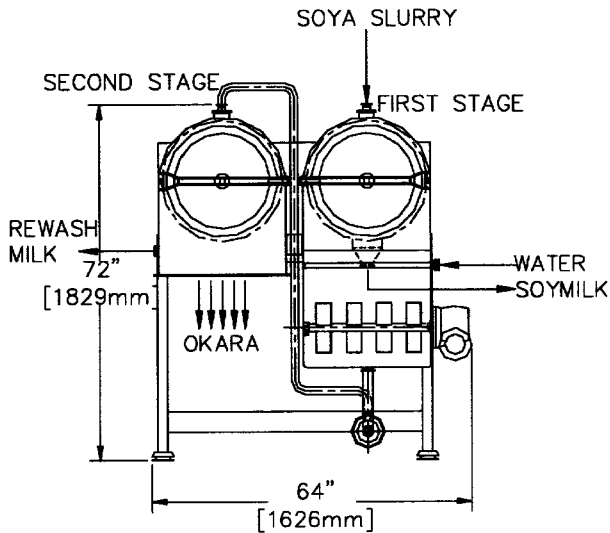
## ADVANTAGES:

- ▶ Continuously self desludging
- ▶ S.S. 304 fabrication with sanitary finish
- ▶ Rewash ensures high solids recovery
- ▶ CIP capabilities
- ▶ Easy to clean removable cones
- ▶ Can be used for other similar applications



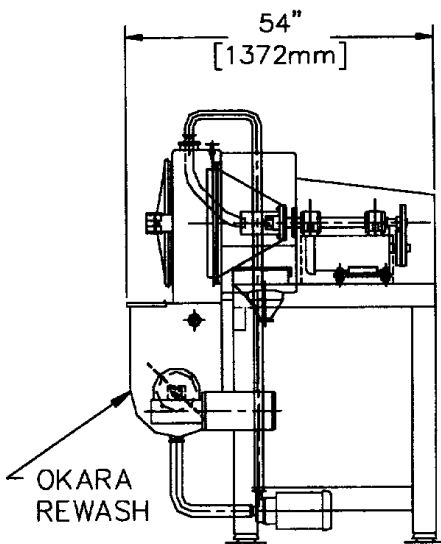
# EC 1000 & EC 2000

ProSoya's twin-stage self-desludging extractors are capable of extracting liquid from slurry and washing the separated solids. ProSoya's focus is on the soyfood applications of these extractors but they can be used for many other similar applications. The extractors are sanitary in construction, have optional CIP capabilities, and are considerably more economical than existing extraction equipment.



**Note:**

The configuration shown (EC 2000) is but one example of many possible arrangements which are available. A customized extractor can be designed according to your needs.



## OPERATION

1. Slurry is pumped into the first stage extractor, where the liquid is extracted for further processing.
2. The fibrous residue from the 1st stage falls into a wash chamber, where it is blended with water and agitated by a paddle mixer. The rewashed slurry is then pumped into the 2nd stage extractor.
3. The moist fiber residue (78% moisture for okara) is discharged from the 2nd stage, and can be removed manually or via the Okara Conveying System. The rewash liquid is extracted and returned for re-use in the grinder.

## SPECIFICATIONS:

- ▶ **Power Requirements:** EC 1000 3 kW  
EC 2000: 5 kW
- ▶ **Soy milk Extraction Capacity:** EC 1000: 1000 L/h  
EC 2000: 2000 L/h
- ▶ **Construction:**
  - ▶ S.S.304 Fabrication with sanitary welds
  - ▶ Washdown duty motors
  - ▶ 2-Stage Filtration, Coarse, and Fine

## OPTIONS (See tech sheet EC-OPT)

- ▶ Spare Cones
- ▶ Sludge Disposal Systems

