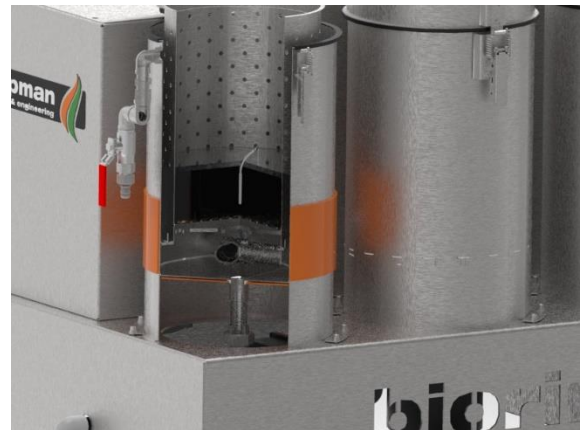


## “Compact, modular hot water treatment and rinsing system”



The BioRinse 5L system is designed for hot water treatment, rinsing and even priming.

The “base” of the system is a 16L drum, suitable to be used for up to 5L of seeds. The seeds will stay in this drum during the complete process, the drum can be placed from the rinsing station, into the centrifuge and then into the dryer. This means the seeds go in dry and at the end of the process the seeds are dry again.



The BioRinse 5L can be modular configured, you can combine several washing stations with a centrifuge and multiple dryers and/or make any other possible combination. The complete system is controlled by a PLC system combined with an user friendly HMI.

The **Rinsing** station is equipped with compressed air input for extra intensive seed movement (every single seed the same protocol) and by a heating element the temperature will be controlled within  $\pm 2^{\circ}\text{C}$  during the process. The process itself is controlled by the PLC-HMI combination where several settings /steps can be done including automatically emptying of the rinse station at the end of the process. The filling of the station needs to be done manually.

The **Centrifuge** station can be used to spin off the moisture prior to drying. This way the drying procedure will be easier and the drying times will be shortened.

The **Drying** station is built to dry back the seeds with a fluid-bed drying procedure. Standard the drying station is equipped with an electrical heating. To speed up the drying process and/or to dry at moist ambient air an conditioner can be placed.

### Specifications

- System is equipped with
  - Manual valves for filling of the rinsing station (one for external hot water and one for cold)
  - Manual and automatic control via the HMI
  - Protocol based rinsing and drying
  - User-Friendly interface
  - Security switches to prevent starts when lids are opened
  - Pneumatic air based mixing in rinse station
  - Fluid-Bed quick drying principle
- Stainless steel construction
- Stainless steel process container (2 pc) with special fluid-bed design

# BioRinse 5L



## Options

- Air Conditioning systems
- Extra drying / rinsing stations
- Extra process containers
- Build-In boiler system for pre-heating water/liquid

## Technical information

Power	3~400 Vac / 50Hz / 16A
Connector	EU standard round CEE 5-plug
Required:	Dust extraction (1000m3/hr) Hot/warm water supply system (2x 1/2") Waste water connection (25mm PVC) Compressed air connection 6bar / 15l/min for air mixing in rinse station
Capacity	0.25-5L/batch product (water capacity 10-15L)
Dimensions	1500x830x1250

