



## No.2612

## Horizontal type rotating autoclave

This autoclave is used in a range of chemical experiments as well as for cooking of various wood chips. It is designed to allow reactions to take place adequately and uniformly even with a very low liquid ratio, providing an advantage that allows experiments under conditions close to the site conditions. In addition, in an effort to control environmental problems, it is widely used in studies of oxygen bleaching and oxygen digestion.

**Capacity:** 4, 10, 30 liters

**Max. pressure:** 1.5MPa

**Liquor ratio:** 1:1.5 or 1:2

**Material of cooker:** SUS-316 (molybdenum stainless steel)

**Heating:** electric furnace (divided in two parts)

**Heater:** for 4 liters; single-phase 200/220VAC 20A,  
for 10 liters; three-phase 200/220VAC 30A,  
for 30 liters, three-phase 200/220VAC 60A

**Temperature control:** by slide regulator

**Heater cover:** SUS-304

**Pressure gauge:** 2MPa, acid resistant

**Rotation speed:** 10rpm

**Geared motor:** for 4 liters; single-phase 100VAC 0.1kW,  
for 10 liters; three-phase 200VAC 0.1kW,  
for 30 liters; three-phase 200VAC 0.4kW

**Optional:** baffle plate for pulp agitation

**Inspection of vessel:** inspected by a third party organization according to the regulation for class 1 or small-size pressure vessels

**Outer dimensions:** 750 x 540 x 840mm (4 liters)  
800 x 670 x 960mm (10 liters)  
1140 x 835 x 1085mm (30 liters)

**Instrument weight:** 163 to 250kg



## No.2613

## Autoclave chamber inversion device

This device aims to enhance safety and ease operations before and after a chip digestion test, such as preparing chips into the cooking chamber and taking them out upon completion. Chips can be fed into the chamber as it is erected. After cooking, the lid is removed and the autoclave is inverted using the handle for easy retrieval of digested pulp.

**Outer dimensions:** 530 x 420 x 780mm (for 4 liter cooker)  
590 x 420 x 815mm (for 10 liter cooker)  
795 x 580 x 1050mm (for 30 liter cooker)

**Instrument weight:** 46kg (4 liters)