

Sterilization equipment

Lagarde of France is a subsidiary of the German autoclave manufacturer Scholz, specializing in the manufacture of autoclaves for different thermal treatments in various sectors such as food processing, pharmaceuticals, medical and laboratory equipment, textile industry, rubber industry and glass industry. Since 1953, Lagarde has supplied equipment and machinery to several large food processing companies. Lagarde sterilization systems for the food processing industry have the following advantages:

- Temperature accuracy is maintained in all parts of the retort chamber during sterilization;
- Organoleptic qualities of the products are preserved, as precise temperature control is possible;
- Integrity of packaging of even fragile containers is ensured owing to precise temperature control (both heating and cooling) and pressure accuracy (± 50 mbar);
- Uniform and fast sterile (and recycled, if required) water cooling;
- Programmable process controllers (optional); and
- Economic use of steam, water, carbon dioxide, nitrogen, etc. in heating/cooling cycles.

Heating system can be direct steam injection with forced circulation using a fan and/or hot water overspray. Similarly, cooling by water overspray can be supplemented with low-temperature cooling by means of liquid carbon dioxide or nitrogen. The retorts are available in different capacities on stationary or rotary models. Rotary models have fully programmable rotation speeds (limited to 30 rpm). Loading and unloading are mechanized.

The programmable control and monitoring station features easy-to-use operator interface with LCD screen, unlimited SRAM memory, integrated FO calculation, operational security through multi-access levels, built-in alarms, reports output to printer, simultaneous monitoring of up to 8 retorts, MS Windows interface for computer connectivity, etc. *Contact: Societe Lagarde, P.O. Box 35 – 100, route de Valence, 26201 Montelimar Cedex, France. Tel: +33 (4) 7500 7910; Fax: +33 (4) 7501 5884; E-mail: lagarde@lagarde-autoclaves.com*