

## LABORATORY DIGESTER *model LabDigest*



The Laboratory Digester model LabDigest was designed for pulping studies in the routines of R&D and QC. It is applicable to all types of cellulosic materials and biomass. It allows precise reading of temperature and pressure during pulping process and also automatic control of temperature, including heating ramps and landings (time and temperature), and adjustment of liquor recirculation speed.

Pulping liquor is circulated by the pump integrated to the main vessel in a closed circuit promoting perfect interaction of wood chips and liquor. The result is a homogeneous pulping process of all cellulosic material.

The main vessel is built of stainless steel AISI 316L, resistant to acid and alkaline attacks. It has an internal removable wood chips basket and quick close lid. All parts that have contact with pulping liquor are corrosion resistant.

LabDigest has two heating vessels with cooling serpentine, that enables modified pulping studies, with safe removal of superheated fractions of black liquor and replacement by green liquor, to simulate in the laboratory the most modern pulping processes.

Its operation through the control panel with integrated touch screen interface is simple, enabling easy programming of test parameters as well follow-up during the test.

All pressure vessels are built according to rigid technical standards, in order to promote safe use during its life cycle.



### MAJOR TECHNICAL CHARACTERISTICS

Main vessel capacity (total/useful)	13 L / 9 L
Secondary heating vessel capacity	1,3 L
Tertiary vessel (exchanging liquor) capacity	5,3 L
Working pressure	up to 12 kgf/cm <sup>2</sup>
Heating ramps and landings	up to 15 programs
Pulping temperature	programmable up to 185°C

Power supply	220 VAC, 60 Hz, single phase, 10 kW,
Dimensions	(1010 x 1400 x 1520) mm (W x L x H)
Peso	250 kg

Em razão do constante desenvolvimento nossos equipamentos estão sujeitos a modificações sem aviso prévio.

**Address:** Av. Dr. Alberto Jackson Byington, 1595 · CEP: 06276-000 - Osasco - SP - Brazil

**Phone:** + 55 11 3601 5700 · **e-mail:** [regmed@regmed.com.br](mailto:regmed@regmed.com.br)

[www.regmed.com.br](http://www.regmed.com.br)