



## LABORATORY REACTOR model HB-21



The laboratory reactor model HB-21 has been designed for pilot chemical, semi-chemical and thermal pre-treatments of several types of biomass .

Unique patented rotative vessel design ensures perfect mixing and homogeneous reaction.

Rugged construction with reaction vessel fully manufactured in AISI 316 stainless steel ensures a safe and reliable operation for many years long.

Removeable sturdy lid gives full access to internal section of reaction vessel and lower mounted 76 mm ball valve enables easy discharge of reacted materials directly from vessel.

### MAJOR TECHNICAL CHARACTERISTICS

Capacity of reaction vessel	23 L
Adjustable working conditions in the vessel	up to 210° C and 16 bar
Safety valve	18 bar
Digital temperature controller	Resolution 0,1° C
Digital pressure indicator	Resolution 0,1 bar
Electrical heating system	6.000 W
360° Rotative vessel	(4 ± 0,5) rpm
SEW drive gearmotor	

Power supply	220 VCA, 60 Hz, 7 kW, three phase
Dimensions	(1200 x 750 x 1050) mm (W x L x H)
Weight	180 kg

Note: due to constant development our equipment design and specifications are subject to change without notice.