



Reactor for pilot plant "RE-605" and "RE-620"

CAPACITY UP TO 20 LITRES
FOR ATMOSPHERIC PRESSURE OR VACUUM

APPLICATIONS

This equipment is designed for reflux and distillation operations with a stirring element, for all laboratory's pilot plant operations and small productions.

FEATURES

Reactor module built-in, base made of glazed steel in epoxy and tubular structure in stainless steel AISI 304, equipped with an engine group stirring and a reaction jacketed borosilicate glass 3.3 with graduation to temper, for a volume of 4-20 liters in "RE-620" model and 1-5 liters in "RE-605" model.

Stirring anchor blade and elements in contact with the liquid or reaction steam, composed of borosilicate glass and PTFE.

Addition and reflux models.

Optional:

- Configurations for distillation can be supplied.
- Amber glass finish.
- Voltage 110V / 60 Hz.

CONTROL PANEL

Main switch ON / OFF.

Regulator knob for stirring speed from 0 to 500 rpm.

Temperature and RPM digital indicator

MODELS

Part No.	Total dimensions Height / Width / Depth	Reactor capacity	Operating temperature	Power W	Weight Kg
1001710	130 70 35	5	-50 °C to 200 °C	90	10
1001711	180 62 50	20	-50 °C to 200 °C	250	68



"RE-605" model
5 litres.



"RE-620" model
20 litres.



Model "RE-620"
20 litres.

ACCESORIES

pH analyser temperature from -10°C up to 140°C.

3.5" color touch screen. 8 digital inputs, 2 configurable analog and 6 relay outputs for signaling and control. Communications: 485 for ARC sensor network. IP-65 box. RS-232 output for connection to a computer. Possibility of performing PID control loops. GSM, RED, TCP / IP modem connections, Probes: O₂, CON, VCD and Redox.

Part number 4120824 (For measurement and reading only).

Part number 4120823 (For measurement, reading and control).

HT glass sensor pH 0-14 + T^o-10 at 100 °C. Part number 4120801

ARC HT sensor pH 0-14 + T^o-10 at 140 °C. Part number 4120822

Glass sensor adapter for R-605. Part number 4120802

Glass sensor adapter for R-620. Part number 4120803

Digital thermometer "TC-9226-A"

Temperature range: -200 °C. to 1370 °C.

Part No. 5903030

See page. 294

PTFE expansion/contraction bellows for coupling between mouth and coolant Part No. 1002932

Stirring rod in the shape of a helix, Ø 9.5 mm in PTFE. and shovel in PTFE (length 65 x width shovel 7 cm). Part No. 1001789



COMMON COMPLEMENTS

Silicone oil 4 liters. Temperature up to 300°C. Viscosity 50 mm²/s at 25 °C. Melting point 318 ° C. Part No. 1000027

Peristaltic dosing pump "Peristaltic PR-2003."

For PH stabilisation (acid-base). Also applicable to dosages in process.

Features: See page. 47. Part No. 4129050

Recirculation cryothermostat "CC-505".

For adjustable temperatures from -50 °C. to 200 °C.

Part No. 5910062

FOR REACTOR R-605

Recirculation thermostat "Ultraterm-TFT-200".

For adjustable temperatures from ambient +5 °C. to 200 °C.

Part No. 3000545 See page. 101.

Recirculation cryothermostat "Frigiterm-TFT-30".

For adjustable temperatures from -30 °C. to 100 °C.

Part No. 3000547 See page. 101.

FOR REACTOR R-620

High power recirculation thermostat "Interheater"

For adjustable temperatures from ambient +5 °C. up to 90 °C.

Part No. 6001491 See page. 105.

Water refrigerador and recirculator "Unichiller 015"

For temperatures from -20°C to +40 °C.

Part No. 5910049