



Reactor for pilot plant “RE-650” and “RE-6100”

CAPACITY: 50 AND 100 LITERS
FOR ATMOSPHERIC PRESSURE OR VACUUM

NEW

APPLICATIONS

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

FEATURES

Reactor module built-in, made of glazed steel in epoxy and structure in stainless steel AISI 304, composed of an engine group stirring and a reaction borosilicate glass 3.3 with graduation and dual Camera to temper, for a volume of 10-50 liters in “RE-650” model and 20-100 liters in “RE-6100” model.

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

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
1001840	268 68 68	50	-50 °C to 200 °C	300	82
1001841	268 68 68	100	-50 °C to 200 °C	500	119

SPECIAL STIRRING MODELS

Main switch ON / OFF.

Control by variable frequency drive 200-240 VAC (II-III) filter EMC-IP55 and IP66.

Part No.	Working conditions	RPM	Power W	Voltage V
7000386	Atmospheric pressure	0-1450	650	230-400 III 50Hz IP55
7000387	Vacuum pump	0-1450	650	230-400 III 50Hz IP55

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° -10 at 100 °C. Part number **4120801**

ARC HT sensor pH 0-14 + T° -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**

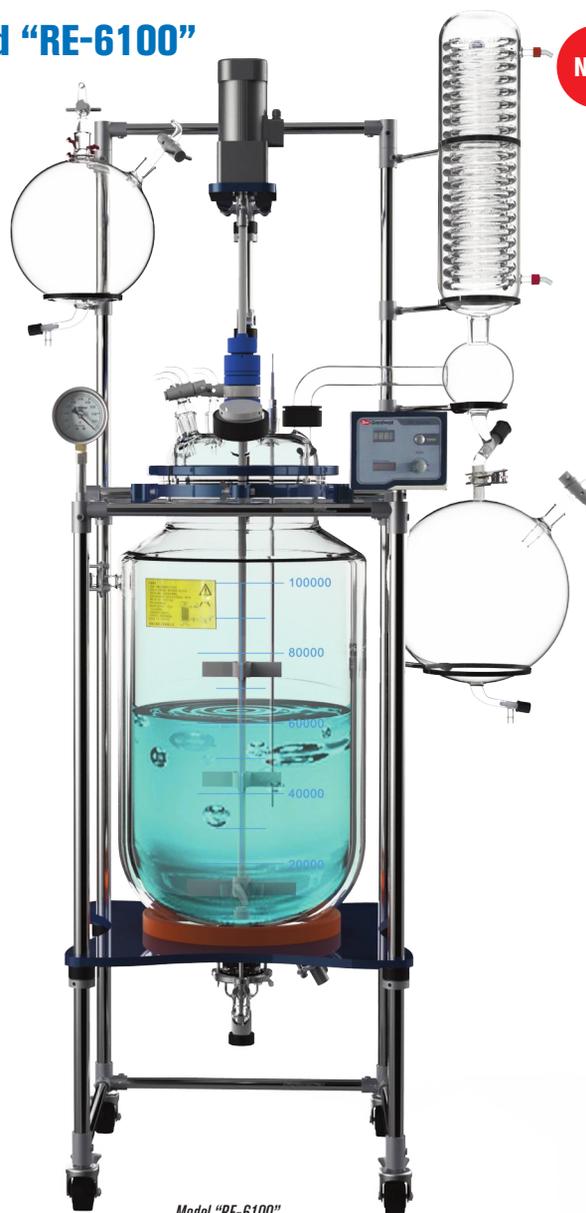


Digital thermometer “TC-9226-A”

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

Part No. **5903030**

See page. 294



Model “RE-6100”
100 liters.

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**