Reactor for pilot plant "RE-650" and "RE-6100"

CAPACITY: 50 AND 100 LITERS
FOR ATMOSPHERIC PRESSURE OR VACUUM



Model "RE-6100"
100 litrers.

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 frecuency 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: O_2, 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 + Tª -10 at 100 ºC. Part number 4120801
ARC HT sensor pH 0-14 + Tª -10 at 140 ºC. Part number 4120822
Glass sensor adapter for R-650. Part number 4120818
Glass sensor adapter for R-6100. Part number 4120819

Digital thermometer "TC-9226-A"
Temperature range: -200 ºC. to 1370 ºC.
Part No. 5903030



COMMON COMPLEMENTS

Silicone oil 4 liters. Temperature up to 300ºC. Viscosity 50 mm2/s at 25 ºC. Melting point 318 ° C. Part No. 1000027
Peristaltic dosing pump "Peristaltic PR-2004."
For PH stabilisation (acid-base).
Also applicable to dosages in process.
Features: See page. 47. Part No. 4129051
Recirculation cryothermostat
For adjustable temperatures from -50 ºC. to 200 ºC.

FOR REACTOR R-605:

Recirculation thermostat "Ultraterm-TFT-200".
For adjustable temperatures from ambient +5 ºC. to 200 ºC.
Part No. 3000545 See page. 311
Recirculation cryothermostat "Frigiterm-TFT-30".
For adjustable temperatures from -30 ºC. to 100 ºC.
Part No. 3000547 See page. 311

FOR REACTOR R-620:

High power recirculation thermostat "Interheater"
For adjustable temperatures from ambient +5 ºC. up to 90 ºC.
Part No. 6001491 / 6001497 See page. 111
Water refrigerador and recirculator
For temperatures from -20°C to +40 ºC.