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
1001722	140	68	68	10	-50 °C a 200 °C	34	15
1001711	180	62	50	20	-50 °C to 200 °C	250	68



"RE-605" model 5 litres.



"RE-620" model 10 litres.



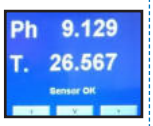
Model "RE-620" 20 litres.

ACCESORIES

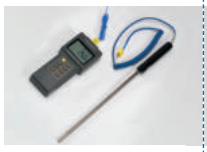
pH analyser temperature from -10°C up to 140°C. 3.5'' color touch screen. 8 digital inputs, 2 configurable analog and 6 relay outputs for signaling and control. Communications: 485 for ARC sensor network. IP-65 box. RS-232 output for connection to a computer. Possibility of performing PID control loops. GSM, RED, TCP / IP modem connections, Probes: 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-605. Part number 4120802
Glass sensor adapter for R-620. Part number 4120803



Digital thermometer "TC-9226-A"
Temperature range: -200 ºC. to 1370 ºC.
Part No. 5903030
See page. 294



PTFE expansion/contraction **bellows** for coupling between mouth and coolant Part No. 1001984



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 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.