EQUIPMENT CARD

PLAPIQUI



# 5605

# Distillation column (30 L)/Packing Raschig rings (Figmay)

## DESCRIPTION

Laboratory still of 30 L fitted with a column packed with Raschig rings, which increase the contact surface between vapor and liquid. It separates mixtures by difference in boiling point more efficiently than a simple distillation.

## MAIN FEATURES

- Boiler capacity: 30 L
- Column: packed with Raschig rings, which provide the contact surface for mass and energy exchange
- Heating: electrical, with power control
- Condenser: water cooled in countercurrent
- Materials: borosilicate glass and stainless steel in the parts in contact with the product
- Instrumentation: thermometers or thermocouples in the boiler and at the column head
- Operation: batchwise, with fractional collection of the distillate

## MAIN APPLICATIONS

- Separation and purification of reaction products by fractional distillation
- Recovery and recycling of process solvents
- Concentration and purification of furfural and other biomass derivatives
- Isolation of volatile fractions of natural products
- Separation tests at pilot plant scale

## ASSOCIATED TECHNOLOGY, CAPABILITY AND SERVICE

1602 - 2603 - 3603

## CONTACT US

Office of Technology Transfer

ott@plapiqui.edu.ar
plapiqui.edu.ar/ott
+54 291 4037200 - Int 217/214
+54 9 291 4261644

CONICET

UNS