



TOURNAIRE - DISTILLATION RECTIFICATION COLUMN



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SKU: 11833 | **Categories:** [Evaporation unit](#), [Heating and cooling unit](#)

PRODUCT DESCRIPTION

DOCUMENTS

[installation-drawing.pdf](#)

TECHNICAL INFORMATION

Physico-chemical separation / distillation unit.



Year : 2015

Installation ATEX 3G IIBT4, inside the installation: zone 1G

Operating mode: continuous - batch - semi-batch.

Pressure: Vacuum - 3 barg max

Boiler size: 50 Litres (Possible 200 Litres)

Flow rates: Approximately 180 Kg/hr feeding a water/ethanol mixture (90/10) at atmospheric pressure with a reflux rate of 5.

Number of theoretical trays: 20

3-point feed possible: 4 structured packing beds, 4 liquid redistributors (including 3 with re-centring devices)

Dimensions: Unit made as a skid, in hot-dip galvanised steel frame with dimensions 2400 x 2400 x 4000MM high.

Utilities / sources :

Steam: 3 bar eff 143°C 30 to 80kg/h

Cold water 25-30°C : 2-5m³/h

Chilled water 5-10°C : 0.5m³/h

Compressed air : 6bar eff

Nitrogen inerting : 4.5 bar eff

Electricity : 400V tri 50 Hz IT : 5kw

