

# REV Series Rotary Evaporator Application Notes

*Distillation of WATER / ETHANOL MIXTURE 1:4 - Single Set Point Control*

## SET COMPOSITION

Part No.	Description
<b>REV202MA</b>	Rotary evaporator with vacuum controller
<b>RG202B</b>	Glassware set B (vertical condenser)
<b>BM302A</b>	Water bath
<b>CF303Y</b>	Water circulator (chiller)
<b>221581</b>	Insulation hose 2 pcs.
<b>N820GKIT</b>	Diaphragm vacuum pump & hose
<b>255783</b>	Vacuum pump control unit G (OVR26)

## SAMPLE

■ **WATER AND ETHANOL MIXTURE (1:4)**

## PARAMETERS

Settings	Values
Single set point control (vacuum pressure)	41 ---> 23 hPa
Rotation speed	100 rpm
Bath temperature	40°C
Chiller temperature (trap temperature)	5°C
Flask size	1000 ml
Sample volume	430 ml

## RESULTS

Settings	Values
Recovery rate	98%
Distillation speed	45 min

