

REV Series Rotary Evaporator Application Notes

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

SET COMPOSITION

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

SAMPLE

■ **WATER AND ETHANOL MIXTURE (4:1)**

PARAMETERS

Settings	Values
Single set point control (vacuum pressure)	43---> 23 hPa
Rotation speed	100 rpm
Bath temperature	40°C
Chiller temperature (trap temperature)	5°C
Flask size	1000 ml
Sample volume	480 ml

RESULTS

Settings	Values
Recovery rate	97%
Distillation speed	82 min

