

► Simple distillation equipment - fractional

Equipments for simple and fractional distillation, very useful in chemistry or biology laboratories and also in education teaching. Simple distillation is a technique used in the separation of liquids (with a boiling point $<150^{\circ}\text{C}$) from non volatile impurities, and it is also used for purifying a mixture of liquids whose boiling points are under 150°C and differ at least in 25°C . Fractional distillation is a technique used for the separation of miscible liquids with a difference lower than 25°C in their boiling points, and the main difference with simple distillation is the presence of a fractionation column between the flask and the distillation head.

Glassco distillation equipments, made of borosilicate glass and with 29/32 ground joints, includes all the necessary elements to carry out this reaction. Moreover, it also includes thermal resistant polyoxymethylene clips for ground joints. The round bottom flask supplied with the equipment presents a capacity of 250 ml, but bigger or smaller flasks can be used provided they present 29/32 ground joints. All the components are also available individually for replacement of damaged pieces.



Code	Description
PBB015	Complete simple distillation equipment, 250 ml
PBB016	Complete fractional distillation equipment, 250 ml
Composed of	
PBL015	Round bottom flask, joint 29/32, 250 ml
PBP002	Vigreux column, joint 29/32, 300 mm (equipment PBB002)
PBQ118	75° bent connecting adapter, joint 29/32
KJB011	Thermometer from -10°C to $+100^{\circ}\text{C}$
PBQ113	Glass adapter for thermometers, joint 29/32
PBN038	Liebig condenser, joint 29/32, 250 mm
PBQ119	Bent distillation adapter, joint 29/32, 100 mm
FCM023	Polyoxymethylene (POM) clip for ground joints