



GLASSCO

Complete Soxhlet Extraction Apparatus

USER MANUAL



User's Manual for Glassware

BRAND AND MODEL	TYPE	NAME
BRAND: GLASSCO MODEL: 191.205	CRYSTALLERY	SOXHLET EXTRACTION APPARATUS

FUNCTION:

- It allows the extraction of compounds (in most cases of lipid type) through the use of a solvent.

IMAGE:



Technical Description:

- Condenser coupled refrigerant
- Condenser (siphon) with mouth 29/32
- Universal support according to the equipment, its function is to support both the refrigerant and the siphon - 2 universal metallic clamps
- Distillation ball: 500 mL, with 29/32" mouth - Distillation ball: 500 mL, 29/32" mouth
- Heating mantle with capacity for 500 mL ball
- Laboratory hoses

Available Configuration

Order	Item Code	Element	Package of
1	191.205.01	Coolant	1
2	191.205.02	Condenser (siphon) with mouth 29/32	1
3	191.205.03	Universal bracket -	1
4	191.205.04	metal universal pliers	2
5	191.205.05	500 ml distillation ball, mouth 29/32	1
6	191.205.06	Heating blanket for 500 ml balloon	1
7	191.205.07	Laboratory Hoses	2

USE**Of the installation**

Check and connect water inlet and outlet for the system.
 Connect heating mantle to stable electrical power.
 Place the balloon inside the heating mantle.
 Place lubricant (petroleum jelly) in the mouth of the balloon to make it easier to turn the connection.
 Place the Condenser (siphon)
 The refrigerant should be placed on the condenser (siphon).
 Place the water inlet and outlet hoses.
 Adjust properly with support and universal clamps.
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Of the execution

To place the solvent for distillation in the distillation ball.
 Place the sample to be studied in the condenser (siphon) previously wrapped in filter paper.
 In the case of needing to measure the temperature of the process use a ball with two mouths and with the help of a stopper insert in the ball a thermometer.
 Place the refrigerant in the mouth of the condenser (siphon).
 Connect the lower hose to a water outlet and the upper hose should go to a storage container.
 Proceed to turn on the heating blanket.

Maintenance notes

- It requires cleaning of the external and internal surface.
- It is recommended to handle the glass with clean hands, do not touch the treated area and clean the entire glass.
- Avoid all types of abrasive, acid or alkaline based products, especially on laminated glass or chambered glass.
- Do not use abrasive brushes, blades or objects that may scratch the glass.

Additional Requirements**QUANTITY**

N/A	N/A
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GENERAL OBSERVATIONS:

It is recommended to store the equipment in a dry place, always keeping the storage precautions for delicate glass material.

Follow the steps and instructions in the indicated order to avoid problems in the execution of the process.