



Laboratory Equipment Manufacturer  
www.mrclab.com



# Desicators

# 12-305x-R

## Operation Manual



**PLEASE READ THIS MANUAL CAREFULLY BEFORE OPERATION**

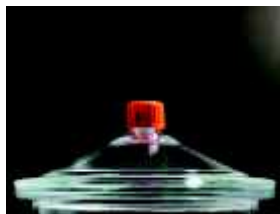
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**MRC.9.18**

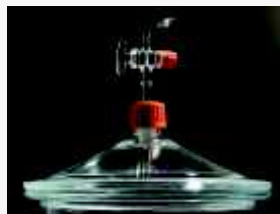
Desiccators MRC are manufactured to be used in laboratory to dry samples or to keep hygroscopic substances dry.

When a more effective or faster drying is needed, MRC provides vacuum desiccators.

MRC desiccators are available in the following range of models & sizes:



Without stopcock	Sizes (mm)
4906119	150
4906124	200
4906131	250
4906134	300



#### Vacuum

With stopcock	Sizes (mm)	With rot. sleeve valve	Sizes (mm)
4906019	150	4906519	150
4906024	200	4906524	200
4906031	250	4906531	250
4906034	300	4906534	300



All the components are available as spare parts, if necessary.



Lid without stopcock	Sizes (mm)
4906219	150
4906224	200
4906231	250
4906234	300

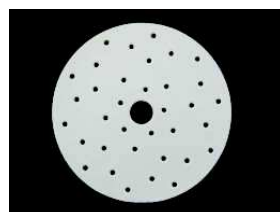


#### Lid for vacuum

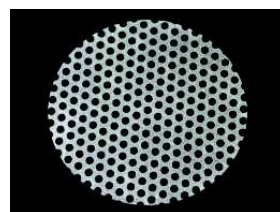
Lid with stopcock	Sizes (mm)	Lid with rot. sleeve valve	Sizes (mm)
4906319	150	4906619	150
4906324	200	4906624	200
4906331	250	4906631	250
4906334	300	4906634	300



Bottom	Sizes (mm)
4907119	150
4907124	200
4907131	250
4907134	300



Porcelain plate	Sizes (mm)
4906402	150
4906404	200
4906405	250
4906406	300



Metal plate	Sizes (mm)
4906502	150
4906504	200
4906505	250
4906506	300



Stopcock	IN
9065021	14

The size of a desiccator is easily identified by the approximate inner diameter, in millimeters.

Tightness and pressure resistance  
MRC desiccators were designed and are tested to ensure to conformity with the requirements of international standard ISO 13130 regarding pressure resistance and tightness.

**MRC desiccators have a 5 years warranty against defects.**

## Operating instructions

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For any model of MRC desiccators, before use, please verify if there is any damage of the components. Never use a damaged desiccator.

Install the desiccator bottom on a flat surface;

Add the drying agent (e.g. silica gel) without surpassing the level of the plate;

Insert the plate;

Apply a thin layer of lubricant to the ground surfaces;

For vacuum models provides with a stopcock, insert the stopcock in the desiccators' cover and firmly attach the screw cap;

Make sure that the screw cap of the stopcock is also firmly attached;

The desiccator is now ready to use.

Insert the product to dry and close the lid, making sure that the cover and bottom flanges are aligned;

**For use under reduced pressure**, please proceed according to the following instructions:

Connect the vacuum line to the side tube of the desiccator using a flexible tube;

Open the stopcock and extract the air. Close the stopcock.

To open the desiccator, open the stopcock slightly to allow the air to flow in slowly. As soon as the inner pressure is stabilized, slide the cover laterally to open the desiccator.

These instructions and warranty are valid only for the desiccators manufactured by MRC

The use of MRC's desiccators is extremely simple. Nevertheless, if you experience any difficulty, please verify the following aspects:

- Verify if the stopcock is closed or open;
- Is the vacuum pump working?
- Is the connection tube damaged?
- Is the connection tube size adequate?
- Are the ground joints, clean and lubricated?

To assure an excellent performance, use only MRC components.

For the models with sleeve valve, if it gets stuck, please proceed as follows:

- remove the rubber o-ring and release the sleeve valve (do not force the side tube);
- If necessary use a rubber hammer to release the components by tapping gently;
- clean both parts of the valve with hot water and detergent. Dry, lubricate and assemble.

## Environmental information

Soda-lime glass is 100% recyclable.

The cardboard box can be reused and is 100% recyclable.

Some models have polypropylene recyclable components.

Metal plates are recyclable.

Porcelain plates and borosilicate stopcocks should not be sent for recycling with soda-lime glass.

## Safety information

Desiccators should never be used if any part is damaged.

Desiccators should not be heated partially.

Direct flame heating is not advised.

Avoid sudden changes in pressure or temperature.

Do not hold the lid by the side tube.

## Accessories

Ref.	Características
719270	Protection glove
LG9116950	Joint grease
8GE0043V	Orange Silica Gel 1 kg
8GE0043W	Orange Silica Gel 5 kg

\*Decontamination may be required before recycling.