

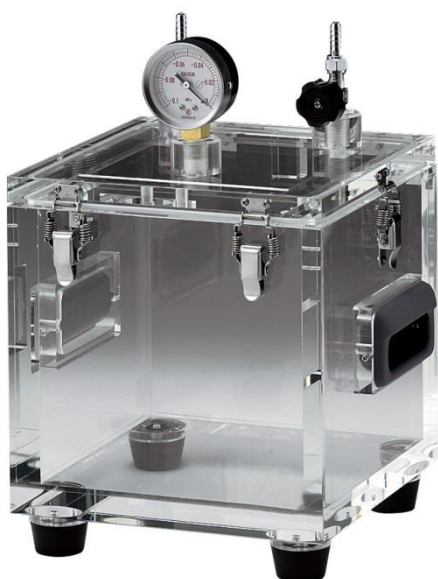


Laboratory Equipment Manufacturer
www.mrclab.com



ACRYLIC VACUUM DESICCATOR

Instruction Manual



Thank you for your purchase.

Thank you for your purchase of our products ACRYLIC VACUUM DESICCATOR

- Please read this handling manual carefully before you operate this product.
- Please keep this handling manual at convenient place, and make sure that you can read it anytime you read it.
- Please follow the instruction in this manual and usage of this product.
- Please learn the indication of safety in this manual and follow the indication.

Please stay closely to these indication above.

If you do not follow these indications, it may cause injury and accident.

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MRC.10.22

For Safe and Correct Use

This handling manual contains various pictures in order to guide users to use this product correctly and to prevent any damage and danger.

Please check details below.



Danger If you ignore this indication and operate this product incorrectly, it has a possibility to cause death or injure people.



Warning If you ignore this indication and operate this product incorrectly, it has a possibility to damage to people and product.



Attention If you ignore this indication and operate this product incorrectly, it has a possibility to damage people and product.

1, Product Specification

	0226	4710	0227	4711
Outer Size (mm)	412W×343D×620H	412W×375D×620H	600W×453D×600H	600W×453D×600H
Available Inner Size (mm)	220W×260D×410H	220W×252D×410H	350W×275D×400H	350W×272D×400H
Vacuum gauge	1pc、For 0～-0.1 MPa			
Valves	2pcs、Nozzle diameter φ9 mm			
Packing	Made of Silicon			
Rack shelves	With 3plates、plate thickness 5 mm		With 2plates、plate thickness 5 mm	
Weight	Approx. 19 k g		Approx. 38 k g	

	0177	0178	0179
Outer Size (mm)	435W×331D×380H	435W×331D×480H	445W×341D×590H
Available Inner Size (mm)	220W×240D×260H	220W×240D×360H	220W×240D×460H
Vacuum gauge	1pc、For 0～-0.1 MPa		
Valves	2pcs、Nozzle diameter φ9 mm		
Packing	Made of Silicon		
Rack shelves	2racks as accessories	3 racks as accessories	4 racks as accessories
Weight	Approx.16 k g	Approx.18 k g	Approx.26 k g

	0390	4713	0391	4714
Outer Size (mm)	320W×223D×470H	320W×255D×470H	278W×286D×386H	278W×296D×386H
Available Inner Size (mm)	240W×180D×260H	240W×152D×260H	210W×210D×210H	210W×182D×210H
Vacuum gauge	1pc、For 0～-0.1 MPa			
Valves	2pcs、Nozzle diameter φ9 mm			
Packing	Made of Silicon			
Rack shelves	2 racks、rack thickness:5 mm	—	—	—
Weight	Approx.11 k g		Approx.9 k g	

※Using the pump approximate displacement 50～100ℓ/min.

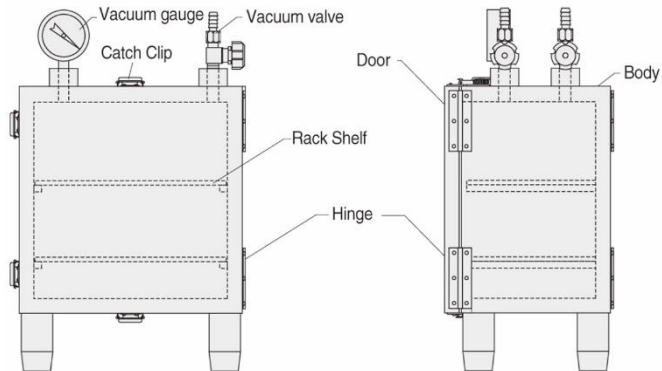
	0181	0230	0225	0176
Outer Size (mm)	248W×256D×328H	306W×286D×386H	328W×414D×228H	400W×321D×363H
Available Inner Size (mm)	180W×180D×200H	210W×210D×210H	260W×260D×100H	260W×235D×200H
Vacuum gauge	1pc、For 0～－0.1 MPa			
Valves	1pc、 Nozzle diameter φ9 mm	2pcs、Nozzle diameter φ9 mm		
Packing	Made of Silicon			
Rack shelves	—	—	—	With 2 plates Thickness 5 mm
Weight	Approx. 4.5 k g	Approx. 9 k g	Approx. 9 k g	Approx. 11 k g

	0392	0252	4712
Outer Size (mm)	198φ×310H	258φ×455H	298φ×435H
Available Inner Size (mm)	140φ×190H	190φ×330H	234φ×300H
Vacuum gauge	1pc、For 0～－0.1 MPa		
Valves	1 pc、Nozzle diameter φ9 mm		
Packing	Made of Nitrile Rubber		
Weight	Approx.2 k g	Approx. 3 k g	Approx.5 k g

※Using the pump approximate displacement 50～100ℓ/min.

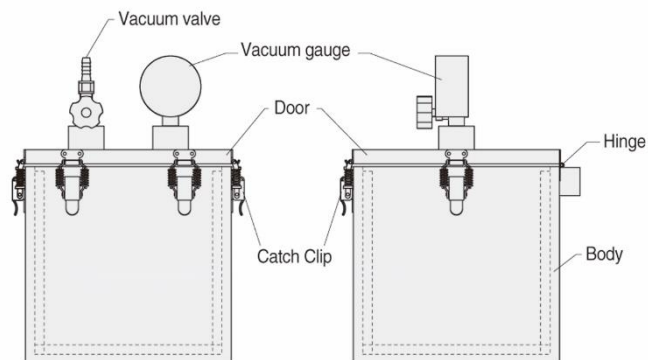
1-1, Name of each parts

0390



***Vacuum valve x2, Catch Clip x 4**

0181



***Catch Clip x 4**

of catch clip is sealed handle for **0176, 0177, 0178, 0179**

2.How to use



DANGER

Prohibit to Use

Explosive and Flammable Materials.

DO NOT use ANY explosive and flammable materials.



WARNING

Prohibit to use Any Chemical Which May affect Acrylic Resin.

This product's body and cover are made from acrylic resin. If you use any chemical which affect the acrylic resin, it may hurt or change its form.



WARNING

Prohibit to Add Pressure.

DO NOT make inside of this product into pressurized.

It may damage or change its form.



WARNING

Prohibit to Set this product on Unstable Place. Please set this product on horizontal and stable place. It may turn over if you set it on unstable place.



WARNING

Under Normal Temperature Operation Only.

Operate this product under normal temperature.

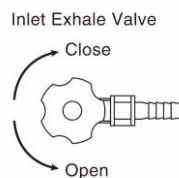
It may cause damage or change its form.

2-1, Use as a Vacuum Desiccator

.Storage Method 0181 Type only one valve

- ① Place storage into inside of this product.
- ② Close all inlet, exhale and drain valves.

The way of close valve Inlet, exhale valve···You are able to close valve by rotating the handle to right until you cannot turn it anymore.



- ③ Close all caps and sealing handle.
- ④ Connect vacuum pump to one of inlet, exhale valves, then open this valve to exhale the inside air.
- ⑤ Please close valve and turn off vacuum pump after you check the inside pressure reach to your targeting level.



WARNING

DO NOT add extra turn to close sealing handle when the inside is under decompression condition. It may damage or change the shape of the vacuum desiccator after back to normal pressure.

.How to take out 0181 Type only one valve

- ① Please open inlet or exhale valve little by little in order to slowly get back atmosphere pressure.



WARNING

Please use exhale valve when exhale inside air.

DO NOT use other valve, if use other valve, the desiccator inside pressure might change rapidly.

- ② After confirming the vacuum gauge indicate 0MPa, please open sealing handle or catch clip and take out the storage.

Use as Decompression Gas Replacement Container,

.Storage Method 0181 Type only one valve

- ③ Please follow all steps in chapter 2-1. Start from ①~⑤.
- ④ Then, please connect replacement gas to inside or exhale valve. At that time, please take proper measure, such as using regulator, to avoid over pressure. Open exhale valve little by little in order to install replacement gas.
- ⑤ Close the valve and stop introducing gas after confirming inside environment reach to your target pressure.



WARNING

DO NOT make inside environment to be positive pressure. It may damage or change the shape of the vacuum desiccator.

How to take out

- ① Open exhale valve little by little in order to get inside pressure back to atmospheric pressure (0MPa). At that time, please take proper treatment of inside gas.
- ⑥ Open Catch Clip or sealing valve, then take out inside storage.

3.Maintenance

Please use soft fabric and a natural detergent to clean up. If you feel anything strange while operating, quit the work and contact us immediately.

4.About instruction manual

- Contents of the manual might be changed without notifying in order to improve a function and performance of products.
- We do not permit any unauthorized duplication, unauthorized reproduction or unauthorized copying part or the entire instruction manual.
- If you lost the manual, please contact us.
- Regarding contents of the manual, we are making a doubly sure; however, in case of being aware of incomplete parts or errors, please kindly contact us

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