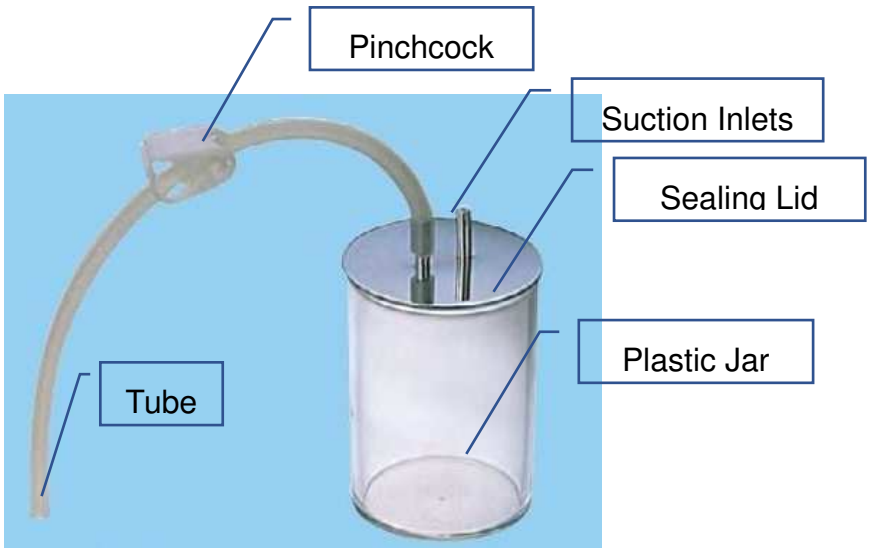
C15-6052-W1

Vacuum Jar (B-type)



[Product Description]

This product is one of the main components for "C15-6065-W0 Atmospheric Pressure Experiment Set M" (refer to the URL below) that is simply designed to carry experiments under reduced pressure.

https://global.narika.jp/product/156065w0-2

[Overall Advantages to Users]

[1] It is easy to create a reduced pressure state.

The lid of the jar is equipped with two identical suction inlets: one is used as a connection to a vacuum pump, while the other one is used as a connection to a tube with a pinchcock. This is used for controlling the pace of returning the internal pressure of the jar from a reduced state to an atmospheric one.

[2] It is easy to maintain a reduced pressure state.

A ring-shaped neoprene gasket underneath the lid prevents influx of outer air from going into the jar and keeps the reduced pressure state inside the jar.

[Precautions]

The softness of the neoprene gasket ensures a high airtight seal between the jar and lid. If the surface of the gasket gets dirty, the sealability will deteriorate. To clean the gasket, rinse with water and/or wash with a detergent.

[Specifications]

- Plastic Jar: 1 pc, Outer diameter 79 mm, Inner diameter 69 mm, Height 110 mm
- Sealing Lid: 1 pc, AS resin, Diameter 84 mm, Thickness 2 mm, Chrome plating
- Neoprene gasket: 1 pc, Outer diameter 88 mm, Inner diameter 28 mm, Thickness 3 mm
- Tube: 1 pc, PVC
- Pinchcock: 1 pc

[Benefit to All Users]

[1] A safer and simpler operation is possible compared with a conventional glass bell jar. The jar is made from polyacrylonitrile styrene resin (AS) that combines lightweight and high durability features.

[2] This is a versatile component for various experiment purposes under reduced pressure. In combination with some related products like Narika “Simple Vacuum Pump (C15-6431)”, the jar provides a confined space under reduced pressure for various types of experiments as referred to the examples shown on the right.

[Keywords]

- Atmosphere
- Atmospheric pressure

- Presence/absence of air
- Reduced pressure state
- Comparison between propagation of sound under atmospheric pressure and that under reduced pressure

[Related Products]

C15-6065-W0: Atmospheric Pressure Experiment Set M

https://global.narika.jp/product/156065w0-2

[Examples of experiment]

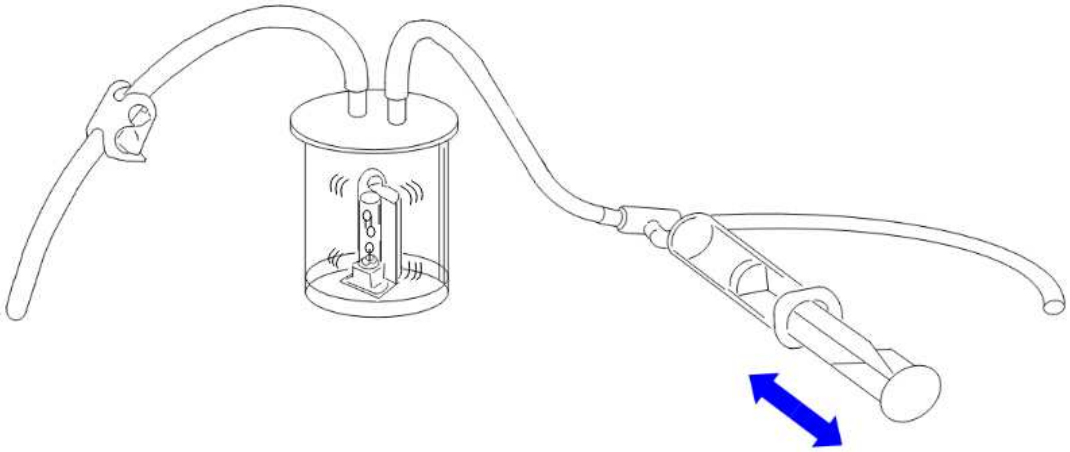
Using a buzzer:

[1] Attach a small rubber band on the underside of the sealing lid using a piece of cellophane tape. Hang Narika “Vacuum Buzzer” * (C15-6052-W2) from the rubber band and put it inside the jar. Make sure the buzzer does not come in contact with the inner surface of the jar.

**A type of buzzer that indicates its action not only by sound but also by movement of small polystyrene balls in the built-in transparent tube.*

https://global.narika.jp/product/156052w2

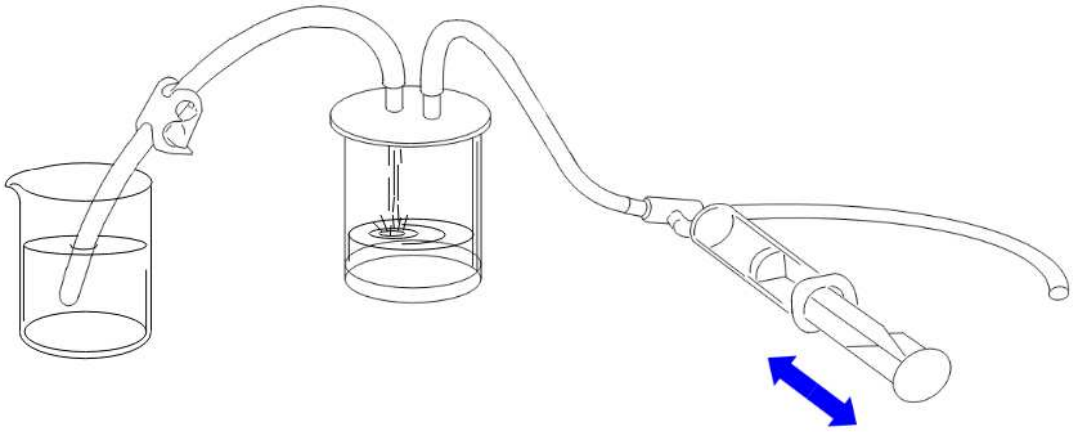
[2] Draw the air out of the jar using Narika "Simple Vacuum Pump (C15-6431). The sound of the buzzer becomes fainter and fainter as more air is drawn out. Nevertheless, the small moving balls contained in the built-in transparent tube of the buzzer indicates the buzzer is still beeping.



Check the amount of air evacuated from the jar:

[1] Draw the air out of the jar and put the end of tube (that comes with this product) into a beaker containing water.

[2] Loosen the pinchcock. The water in the beaker will rapidly transfer into the jar until it fills its capacity almost equivalent to the volume of the air previously drawn out. Up to 90% of the capacity of the jar should be filled with the water because it is constrained by the utmost degree of vacuum that the Narika "Simple Vacuum Pump (C15-6431) can create in the jar.



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