Cat. No. C15-6052-02 Vacuum buzzer

SPECIFICATIONS

Vacuum buzzer: (Vibration observation type)

The buzzer is driven by a single size AA battery. You can see a small styrene foam ball in contact with the diaphragm of the buzzer jumps around and the buzzer sounds. (Battery is not included.)

Size: Approx. 30×34×74 mm

Weight: Approx. 29 g (Battery is not included.)

Experiment using the vacuum buzzer

(See Figs. 2 and 3.)

(1) Attach the small rubber band (one) included in the product into the back of the vacuum cover with adhesive tape as shown in Fig. 2.

Rubber band
Neo sponge packing
Adhesive tape
Vacuum cover

Fig. 2

(2) Then, connect a size D battery to the vacuum buzzer. The buzzer sounds and the small styrene foam ball in the acrylic pipe jumps around as the buzzer vibrates. (The size D battery is not included.)

Note: Turn off the vacuum buzzer simply by putting paper between the + pole of the battery and connector and turn on the buzzer by removing it.

(3) Hang the sounding buzzer on the rubber band attached to the vacuum cover and put them into the vacuum container carefully to avoid the buzzer coming into contact with the wall of the container.

(4) Make sure that the hung buzzer generates a quiet sound. The styrene foam ball jumps around and the buzzer sounds.

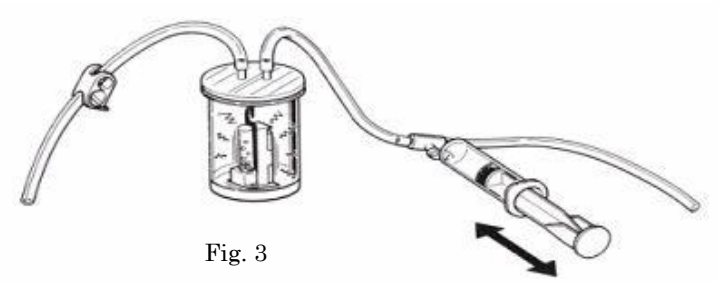

Fig. 3

The styrene foa

(5) Discharge air

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vibrates and

(6) Tilt the vacuu

container. Vi

you can see that the buzzer keeps sounding.

Note: Sound is transmitted in the air, water, and solid matters but is not transmitted in a vacuum. In this experiment, the container does not reach a complete vacuum so you can hear a quiet sound in a silent environment.

(7) Loosen the pinch cock. Air is let into the container and the buzzer sound is heard again.

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