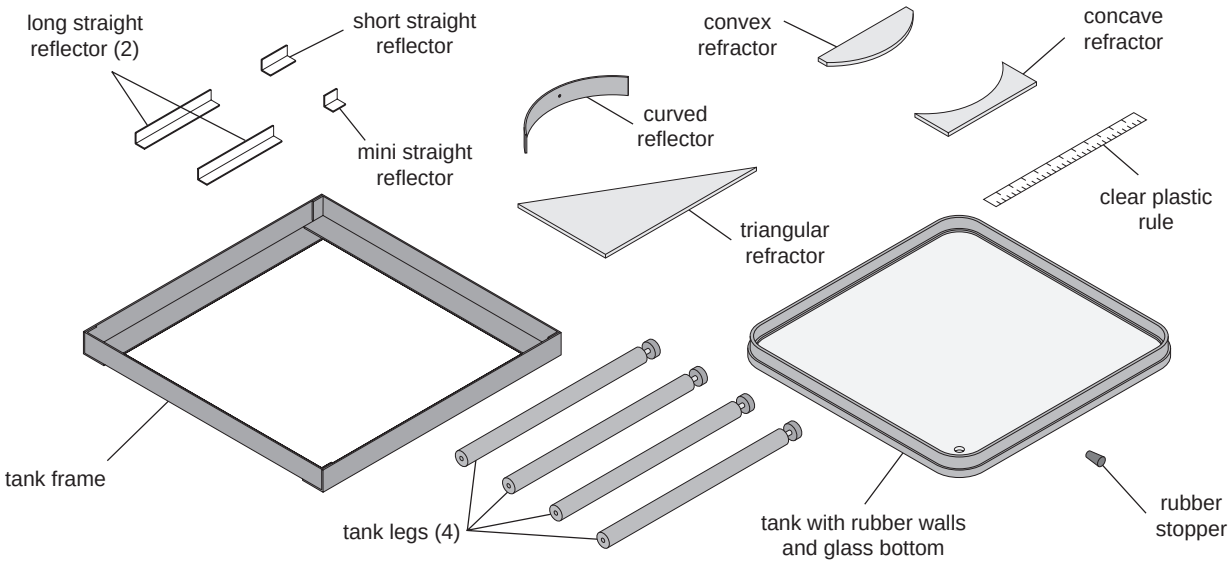
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Instruction Sheet for the PASCO Model WA-9773

RIPPLE TANK



Introduction

The WA-9773 Ripple Tank is the core of the Basic Ripple Tank System and allows the user to create wave patterns. The neoprene rubber walls damp the waves that would reflect and disturb the primary wave and interference patterns. The tempered glass bottom ensures a uniform water depth for all ripple tank experiments. A small hole in the glass bottom and a standard rubber stopper make draining the tank easy. The tank legs are removable and can be stored in the tank itself so multiple tanks can be stacked on top of one another. Each tank is shipped in protective reusable packing for easy storage.

WA-9773 Ripple Tank specifications:

width	47.5cm X 47.5cm (19” X 19”)
height	45cm minimum (feet of tank legs are adjustable)
viewing area	39.5cm X 39.5cm (16” X 16”)
water capacity	1.2-2.0 liters (1.1-1.8 quarts) or 6-8mm (.25”-.32”), 8-10mm (.32”-.40”) deep for refraction experiments

Equipment

The WA-9773 Ripple Tank includes the following:

- glass tank with rubber gasket
- steel tank frame
- tank legs (4) with adjustable feet
- triangular refractor
- convex refractor
- concave refractor
- curved reflector
- mini straight reflector
- short straight reflector
- long straight reflector (2)
- rubber stopper
- clear plastic cm/inch rule

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Assembly

To assemble the tank, screw a leg into the bottom of each of the four corners of the tank frame. Place the glass plate into the top of the tank frame so the rubber sides form a basin for the water. If the glass plate does not touch the tank frame at all four corners, use the leveling feet to reshape the frame to fit the glass plate. Insert the rubber stopper into the drain hole in the glass plate and push down on it to make sure the water will not leak out. See Figure 1.

When filling the tank with water, the water level must be above the step on the rubber boundary so reflections will be minimized. Most experiments require from 1.2 liters to 2.0 liters of water. The tank can be leveled by checking the depth of the water in three of the four corners.

Cleanup and Storage

To empty the tank, place a container under the drain hole and remove the rubber stopper. When the water stops flowing out of the hole, raise the corner of the tank opposite the hole so the rest of the water will drain out. Use a towel to dry the glass tank. Replace the rubber stopper for storage. Store the glass tank in its custom shipping box.

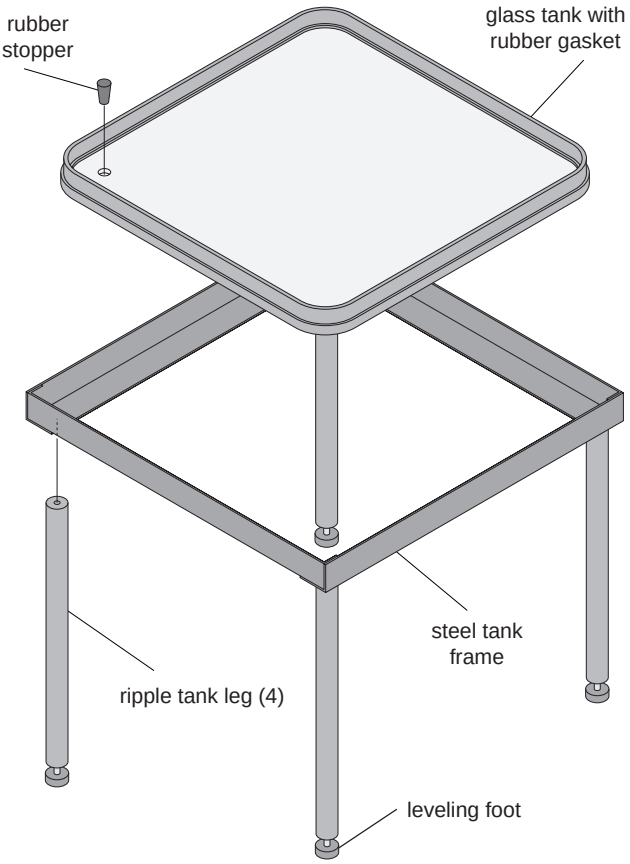


Figure 1: Ripple Tank Assembly

Limited Warranty

PASCO scientific warrants this product to be free from defects in materials and workmanship for a period of one year from the date of shipment to the customer. PASCO will repair or replace, at its option, any part of the product which is deemed to be defective in material or workmanship. This warranty does not cover damage to the product caused by abuse or improper use. Determination of whether a product failure is the result of a manufacturing defect or improper use by the customer shall be made solely by PASCO scientific. Responsibility for the return of equipment for warranty repair belongs to the customer. Equipment must be properly packed to prevent damage and shipped postage or freight prepaid. (Damage caused by improper packing of the equipment for return shipment will not be covered by the warranty.) Shipping costs for returning the equipment, after repair, will be paid by PASCO scientific.

Equipment Return

Should this product have to be returned to PASCO scientific, for whatever reason, notify PASCO scientific by letter or phone BEFORE returning the product. Upon notification, the return authorization and shipping instructions will be promptly issued.

> ➤ **NOTE:**
> NO EQUIPMENT WILL BE ACCEPTED FOR RETURN WITHOUT AN AUTHORIZATION.

When returning equipment for repair, the units must be packed properly. Carriers will not accept responsibility for damage caused by improper packing. To be certain the unit will not be damaged in shipment, observe the following rules:

① The carton must be strong enough for the item shipped.

② Make certain there is at least two inches of packing material between any point on the apparatus and the inside walls of the carton.

③ Make certain that the packing material cannot shift in the box, or become compressed, thus letting the instrument come in contact with the edge of the box.