

# Centrifugal Pump Fundamentals Trainer



Model: 277-000

DAC Worldwide's Centrifugal Pump Fundamentals Trainer (277-000) is a hands-on training system supporting basic introductory training in centrifugal pump operation. Learners will cover a variety of subjects, including: the demonstration of pump cavitation, the effect of the variation in static head and piping configuration on flow and pressure, as well as fundamental basic operational principles.

## **Teach Centrifugal Pump Fundamentals with a DAC Worldwide Training System**

A modular piping system, coupled with a variable-height support structure, allows for convenient repositioning of the tank, pump, and motor, creating new flow and static head conditions. Additionally, optional or user-supplied pipe spool variations can be added, creating many process flow conditions allowing for introductory training in the flow of liquid through fittings and pipe networks.

Useful in all courses relating to the flow of fluids through piping systems, as well as within introductory operations and maintenance courses related to centrifugal pumps and process systems, this device makes training in fluid flow and pump operating principles more memorable and effective.

## **FEATURES & SPECIFICATIONS**

- 7-Gauge, formed-steel baseplate
- 10-gauge, 1-in. tubular steel component mounting structure
- Polyethylene tank with PVC baseplate, inlet/outlet bulkhead fittings, and internal diffuser/syphon breaker
- DC, 0.25 horsepower centrifugal pump with open impeller, baseplate, and tethered electrical control box
- Replacement, clear acrylic impeller housing
- Modular, clear PVC piping system, consisting of interchangeable pipe spools, allowing for convenient adjustment of pump and tank element elevations
- Variable speed DC pump motor with controller
- In-line GFI device

**DISCLAIMER:** Product Dimensions are approximate. Shipping Dimensions and Weights are for directional use only and may change based on manufacturer variables. For the most accurate Shipping Dimensions and Weights, please contact the manufacturer.

## **PRODUCT DIMENSIONS**

- 48-in. L x 14-in. W x 52-in. H (1219 x 356 x 1321 mm)
- 150 lbs. (68 kg)

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## **UTILITIES**

- Requires 115V/60Hz/1ph power

## **INCLUDES**

- Mounting Structure
- Tank with PVC Baseplate
- Centrifugal Pump with Open Impeller and Tethered Electrical Control Box
- Replacement Impeller Housing
- Modular Clear PVC Piping System
- Variable Speed DC Pump Motor with Controller
- In-Line GFI Device
- In-Line Piping Components
- Priming Pump
- Tachometer
- Use/Exercise Guide (#277-500)

### **Address**

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### **Contacts**

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