

# Pump Working Demonstrator



Model: 102-PDTM2

Bayport Technical's Pump Working Demonstrator (102-PDTM2) is a see-through training model possessing many features which can be used to train operators on the workings of a disc pump. By manipulating the suction and discharge valves and the RPM's, students can demonstrate how this type of pump prevents cavitation and can handle a large amount of air entrained in the fluid (pseudo-cavitation/aeration).

Disc pumps move liquids using the boundary layer and viscous drag principle. As the disc spins, it creates a boundary layer of fluid that pulls additional fluid into the pump. As the liquid leaves the pump, it begins to slow down thus creating pressure. Fluid pressure moves the process (liquid) through the pipes in a refinery or chemical plant.

\*Cart Not Included

---

## **SPECIFICATIONS**

- Desk-top model mounted on rigid base (NOTE: rolling cart pictured is available as an option)
- Acrylic see-through reservoir
- Acrylic see-through volute
- Vacuum gauge on pump suction
- Pressure gauge on pump discharge
- 1 HP DC motor (1750 rpm, continuous duty)
- PVC Valves on clear PVC suction and discharge lines

## **UTILITIES**

- Requires 120 VAC / 60 Hz power

## **PRODUCT DIMENSIONS**

- Overall Dimensions: 50" L x 18" W x 36" H

### **Address**

Bayport Technical  
905 S. 14th Street  
La Porte, TX 77571

### **Contacts**

email: bayportcontact@amatrol.com  
phone: (281) 471 1229