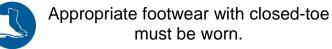
DO NOT use this equipment unless an instructor has instructed you in its safe use/operation and has given permission.



Safety glasses may be required in work areas.



Long and loose hair must be contained or constrained.





Long-pants are required.



Rings and jewellery must not be worn.



Protective gloves may be required.

## PRE-OPERATIONAL SAFETY CHECKS

- 1. Check workspaces and walkways to ensure no slip/trip-hazards are present.
- 2. Check that all equipment components are in position and are operational.
- 3. Ensure you are familiar with the operation of the equipment.
- 4. Keep table and work area clear of all tools and debris.
- 5. Faulty equipment must not be used. Immediately report suspect equipment.
- 6. Be aware of any other students or personnel in the immediate vicinity and ensure the area is clear before using this equipment.
- 7. Familiarize yourself with all mechanical operations, switches and controls, including potential chemicals that may be used.
- 8. If you have any questions or concerns, ask the laboratory technician or instructor first.

## **OPERATIONAL PROCEDURES**

## NO FOOD OR DRINK PERMITTED NEAR EXPERIMENTS.

- 1. Turn the inflow valve on and gradually open the inlet valve to fill the tank. Keep the orifice closed with a plug.
- 2. Once the flow depth in the tank has reached about 50 inches, unplug the orifice.
- 3. Open the inlet valve further to adjust the inflow rate same as outflow rate.

- 4. Record the flow rate.
- 5. Next, open the outlet valve and record the time it takes to drop the water level in the tank.

## HOUSEKEEPING

1. Turn off all equipment once experiment is completed and dispose of chemicals in proper receptacles on completion. Leave equipment and working area in a safe, clean and tidy state.

2. Keep all walkways and aisles free of clutter and debris.

Chemical exposure	e on skin 📙 Noise	Eye injuries	
Electrical shock	Manual handling	Broken glass	
	3	3	
Date of last rev	view	Signature	

Reviewed: February 2015. www.csulb.edu/colleges/coe