



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 on the pump in the hydraulic bench.
2. Open the valve of one of the pipe to start flow through the pipe system.
3. Measure the head loss between two sections of the pipe.
4. Change the flow rate in the hydraulic bench and repeat the steps.

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.

POTENTIAL HAZARDS

Chemical exposure on skin

Noise

Eye injuries