

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



Safety glasses must be worn at all times in work areas.



Long and loose hair must be contained or constrained.



Appropriate footwear with closed-toe must be worn.



Long-sleeve or protective clothing is 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 on boiler override switch on wall.
2. Turn on compact rio interface.
3. Turn on cooling water valve.
4. Open **blue** valve for steam.
5. Open the bypass valve 50%.
6. When pressure gauge reaches 8 psi, turn on computer to control pressure.
7. Close bypass valve.
8. Read results from computer.
9. From computer, turn off steam valve.
10. Turn off boiler override switch.
11. Leave cooling water valve on for 30 minutes.

HOUSEKEEPING

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

POTENTIAL HAZARDS

- Chemical exposure on skin ■ Noise ■ Eye injuries
- Electrical shock ■ Manual handling ■ Broken glass

Date of last review _____

Signature _____