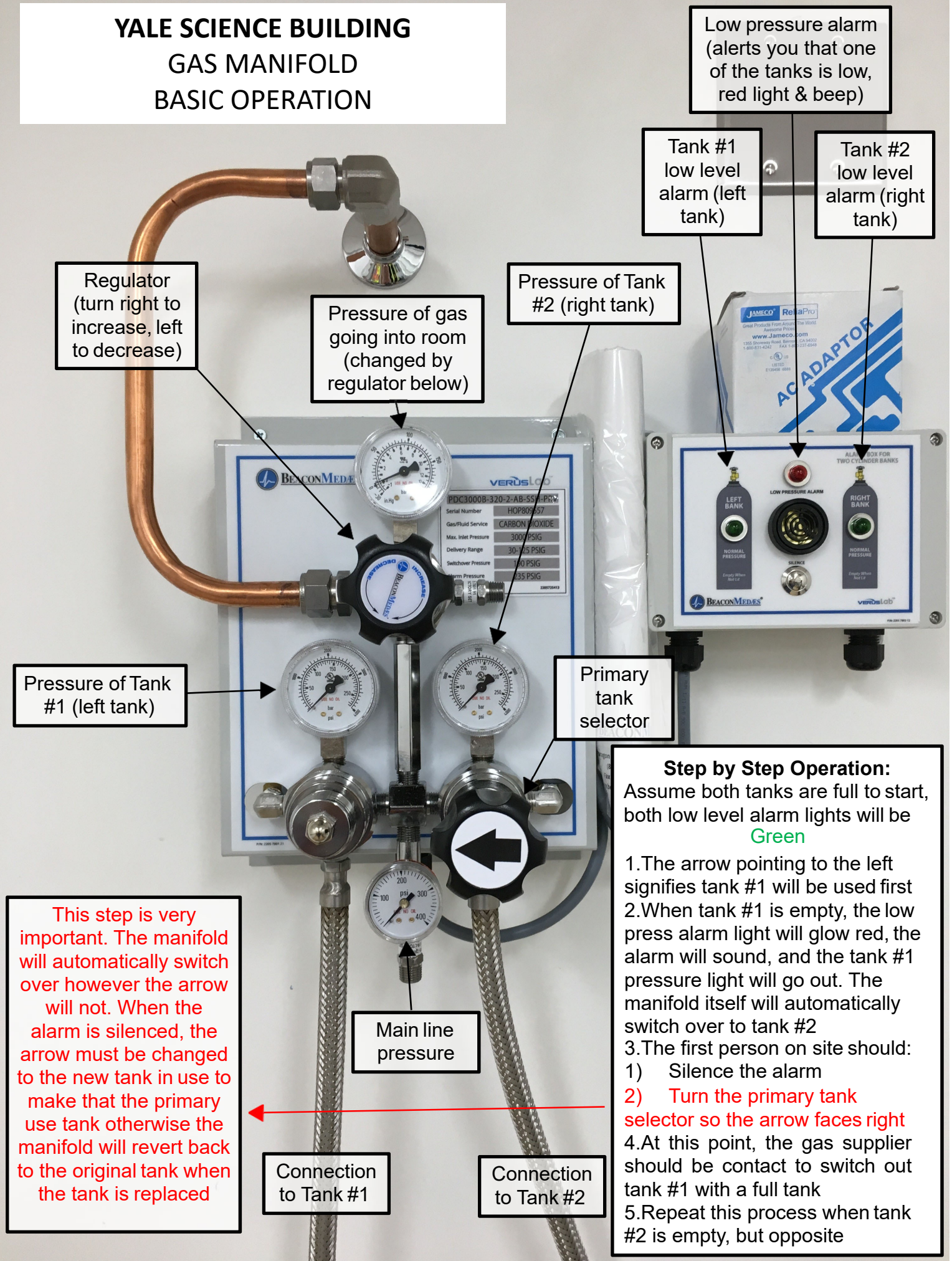


# YALE SCIENCE BUILDING

## GAS MANIFOLD

### BASIC OPERATION



Pressure of Tank #1 (left tank)

Pressure of Tank #2 (right tank)

Primary tank selector

Main line pressure

Connection to Tank #1

Connection to Tank #2

Low pressure alarm  
(alerts you that one of the tanks is low, red light & beep)

Tank #1 low level alarm (left tank)

Tank #2 low level alarm (right tank)

Regulator  
(turn right to increase, left to decrease)

Pressure of gas going into room  
(changed by regulator below)

This step is very important. The manifold will automatically switch over however the arrow will not. When the alarm is silenced, the arrow must be changed to the new tank in use to make that the primary use tank otherwise the manifold will revert back to the original tank when the tank is replaced

#### Step by Step Operation:

Assume both tanks are full to start, both low level alarm lights will be **Green**

1. The arrow pointing to the left signifies tank #1 will be used first
2. When tank #1 is empty, the low press alarm light will glow red, the alarm will sound, and the tank #1 pressure light will go out. The manifold itself will automatically switch over to tank #2
3. The first person on site should:
  - 1) Silence the alarm
  - 2) Turn the primary tank selector so the arrow faces right
4. At this point, the gas supplier should be contact to switch out tank #1 with a full tank
5. Repeat this process when tank #2 is empty, but opposite