

STEPS TO REFILL TANKS

Precautions:

- 1 **NEVER** REFILL TANKS BY YOURSELF; MAKE SURE THERE IS AT LEAST ANOTHER PERSON IN THE LAB.
- 2 WEAR **SAFETY GLASSES**.
- 3 **STAY ON THE SIDE** OF THE CONNECTION, **NOT BEHIND**. THIS PREVENTS INJURY IF HOSE DISCONNECTS.
- 4 RULE OF THUMB IS TAKING **3 MINUTES TO COMPLETELY FILL A TANKS**. ANOTHER GOOD PRACTICE IS OPENING AND CLOSING VERY LITTLE, FILLING UP BY STEPS
- 5 **TOUCH THE TANKS** FREQUENTLY. THEY NEED TO REMAIN **ROOM TEMPERATURE**, IF IT IS EVEN A LITTLE HOT, STOP AND WAIT UNTIL IT GETS COLD.
- 6 **STOP** IF ANY HISSING SOUND IS HEARD.
- 7 **DO NOT** OPERATE THE ROBOT'S TANKS WITH THE FILLING HOSE CONNECTED.
- 8 **NEVER** LEAVE TANKS WHILE FILLING
- 9 **TURN OFF** HEATING SYSTEM SO YOU CAN LISTEN FOR LEAKS

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To Fill Tanks:

- 10 **INSPECT** THE QUICK CONNECT FOR SIGNS OF STRESS AROUND THE SMALL SPHERES.
- 11 **CONNECT** HOSE TO THE TANKS; THE QUICK-CONNECT FITTING **MUST CLICK**.
- 12 **CLOSE** THE BLEEDING VALVE ON THE HOSE.
- 13 **VERY SLOWLY** OPEN THE PRESSURE KNOB IN SMALL INCREMENTS.
- 14 **WAIT AND LISTEN** FOR PRESSURE TO EQUILIBRATE AT EACH INCREMENT
- 15 **3500-4000 psi = FULL**

3 MINUTES TO COMPLETELY FILL A TANK

Once Tanks are Filled:

- 16 **SLOWLY** CLOSE THE PRESSURE KNOB
- 17 **OPEN** THE BLEEDING VALVE ON THE HOSE.
- 18 **WAIT** UNTIL ALL PRESSURE IS RELIEVED
- 19 **DISCONNECT** THE HOSE FROM THE TANKS BY RELEASING QUICK CONNECT.
- 20 **REPLACE** THE HOSE END ON ITS WALL MOUNT