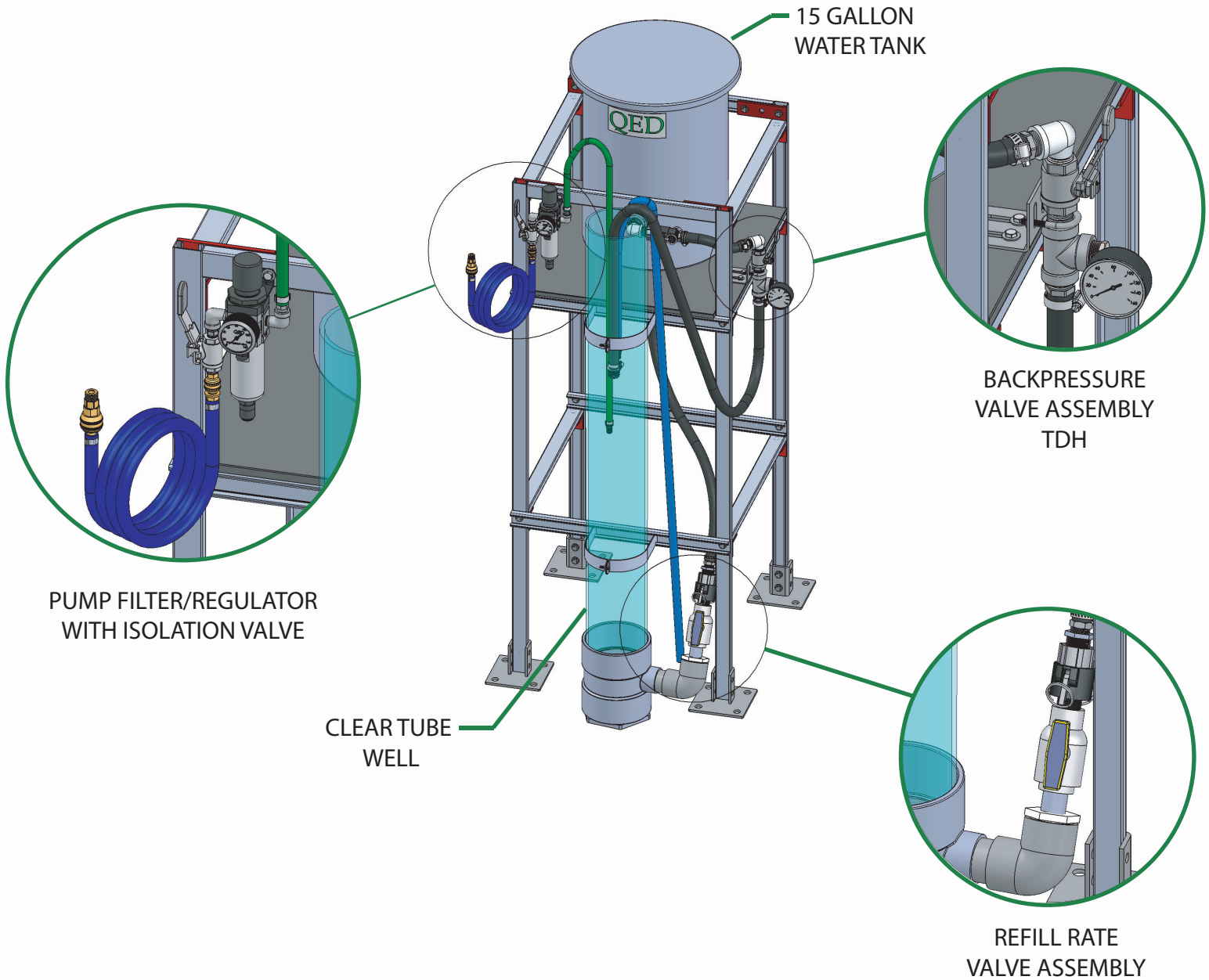




AutoPump TEST STAND INSTRUCTIONS



SAFETY:

- 1- Secure frame to the ground by using the holes on strut channel floor mounts.
- 2- Wear proper Personal Protection Equipment.



AutoPump TEST STAND INSTRUCTIONS

PREPARATION:

- 1- Pump must be cleaned before is placed in the test stand.
- 2- Genuine QED parts and subassemblies are used when reassembling the pump.
- 3- The ball in the discharge check valve is 7/8" diameter.
- 4- Add water to tank while the refill valve is half opened, when the clear tube well is filled half way stop the water.
- 5- The bottom inlet screen is removed.
- 6- The isolation valve filter/regulator is closed before is connected to an air supply line.

CAUTION:

Magnets are preset from factory, DO NOT ADJUST.

TESTING: It is recommended the following procedures are tested at both 40 psi and 80 psi. The test stand has a clear tube well, so check for air leaks while running the following procedures.

SLOW DISCHARGE:

- Throttle the back pressure valve assembly so that it takes about 10 seconds for the pump to discharge on each cycle.

SLOW FILL:

- Throttle the refill rate valve assembly so it takes about to fill and discharge.

WATER LEAK TEST:

- While cycling the pump, close the backpressure valve assembly when the pump begin discharging.
- Lift the pump out of the tube and check for significant water leaks on the bottom of the casing, a few drops are acceptable.
- After ensuring that there are no significant water leaks, open the backpressure valve assembly so the pump can discharge in the tank.

PUMP REMOVAL:

- After the pump has completely discharge, close the isolation valve on the filter/regulator until the gauge reads "0".
- Disconnect the air and exhaust hoses.
- Disconnect the water hose and place it back in the tube.

CLEANING THE TEST STAND:

- The test stand has cam type fitting on the fluid sections to allow the draining of water.
- Use a water hose to spray any dirt or particles in the holding tank and in the test tube.