

# HYDRAPRO

## WATER STORAGE TANK (Well Tank)

### SPECIFICATIONS

Tank – Cold Rolled Carbon Steel  
Finish – Triple Layer Electrostatic Paint  
Water Chamber - 100% butyl rubber, lined with polypropylene  
Connection - 304 Stainless steel  
Air Valve - Brass with o-ring seal  
Warranty - Five Years  
Maximum working pressure - 150 psig  
Maximum working temperature - 200°F  
Tank Pre-charge: 40 psi 6 gallon thru 32 gallon  
Tank Pre-charge: 45 psi 34 gallon thru 120 gallon  
Maximum Pre-charge - 80 psi

### HOW HYDRAPRO WORKS

HYDRAPRO Well Tanks are engineered to optimize the performance of your system by increasing its draw-down thus saving your pump from excessive starts and stops. HYDRAPRO Well Tanks protect and extend the life of your pump and will reduce your power consumption. HYDRAPRO Well Tanks are equipped with a stainless steel system connection and have a corrosion-resistant, appliance grade finish. Inside each tank is a heavy-duty, butyl rubber diaphragm encased with a polypropylene liner where the water is separated from the pre-charged air chamber.

### PRODUCT INSPECTION

Prior to installation, inspect the tank for damage that may have occurred during shipping. If any portion of the tank is dented, bent, or scratched, return the product to the original point of purchase for a replacement.

### PRE-CHARGE ADJUSTMENT

#### **⚠ WARNING**

*Do not attempt to adjust the tank pre-charge once installed on the system and under the system pressure. HYDRAPRO Well Tanks should be pre-charged 1-2 psig below the pump cut-in setting of your pressure switch. Failure to properly adjust the pre-charge will shorten the life your system.*

HYDRAPRO Well Tanks ship with a factory pre-charge of 40 or 45 psi.

6 gallon thru 32 gallon: 40 psi  
34 gallon thru 120 gallon: 45 psi

Any adjustment to the factory pre-charge must be done prior to initial tank installation or with 0 psi pressure in the system.

#### Step 1

Remove the protective cap from the air valve located on the Top of the tank.

#### Step 2

Check the tank pre-charge using a standard tire pressure gauge.

#### Step 3

If required add or remove air to the tank until the proper pre-charge pressure is reached (1-2 psig below pump cut-in setting).

#### Step 4

Replace the protective cap on the air valve.

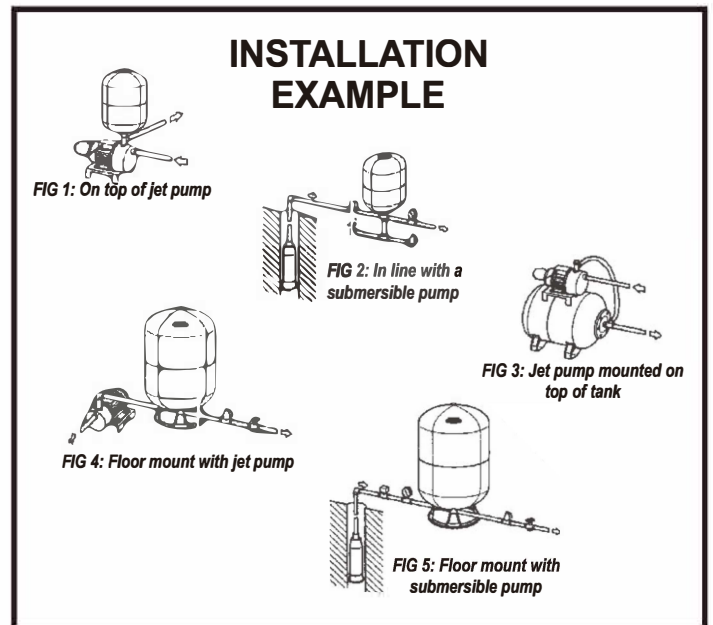
### TANK INSTALLATION

#### **⚠ WARNING**

*Before installing, disconnect or turn off the electrical power source to your pump at the control box, turn off the water supply to the system, and remove all water pressure from the system. Failure to turn off the electrical and water supply and releasing the water pressure could result in serious injury or death and or property damage.*

Be sure to choose an installation location where a water leak will not cause property damage and that is not subject to freezing. Over an extended period of time, it is possible that the Well Tank or the

## INSTALLATION WARNINGS & OPERATING INSTRUCTIONS



drainage is ideal. HYDRAPRO is not responsible for water damage that may occur in association with the Well Tank installation. Please see reverse for further warranty information.

#### Step 5

Place the Well Tank in desired location and level as necessary. Install the Well Tank as close to the pressure switch as possible to reduce friction and elevation loss.

#### Step 6

Connect the tank to the service supply and the pump discharge using the simplest pipe configuration possible. To reduce friction loss, the diameter of the piping should be the same as the diameter of the pump discharge outlet. Be sure to always observe local plumbing codes.

### START UP

#### Step 7

Restore power to the pump at the control box after properly connecting the tank to the system.

#### Step 8

Fill the system by running the pump until the pressure switch deactivates the pump.

#### Step 9

Open the faucet farthest from the tank to remove all of the air that may be trapped in the line. Open and close the faucet a few times to be sure all the air has been removed.

#### Step 10

Open one or several faucets to empty the tank. If there is a pause in the flow of water from the time the tank empties until the pump cuts in you may either slightly increase the cut-in setting or your pressure switch or decrease the pre-charge pressure of the tank

#### Step 11

Repeat steps 8 thru 10 until the pause has been eliminated. Your system is now ready for use.

### MAINTENANCE

HYDRAPRO recommends annual inspections of the tank and system by a qualified professional. Visually examine the tank and the system connection for signs of water leaks or corrosion on the tank exterior and connection. Should the tank show visible signs of leaking, corrosion or rusting, replace it immediately to avoid personal injury or property damage. Do not attempt to adjust the tank air pressure if there are any signs of corrosion on the tank. Failure to follow these instructions may result in serious injury or death and or property.