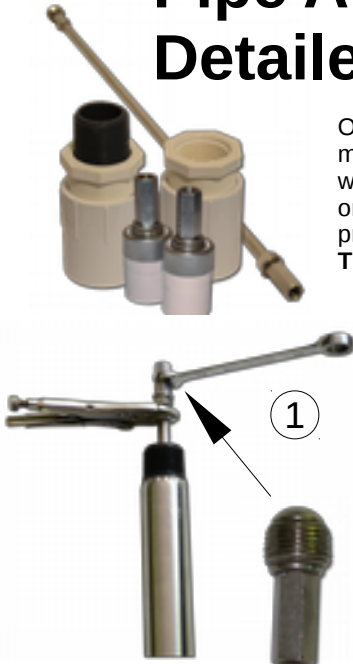


Pipe Adapter Fitting Set Detailed Instructions



Our Pipe Adapter Fitting Set is designed as an economical alternative to our stainless steel and Pex, ready made extension sets. With this kit and locally supplied pipe you can install the Handy Well Pump at depths of well over 100'. The pump assembly and Head Assembly will both have to have the coupling nuts removed in order to accept the larger coupling nuts on the Pipe Adapters. Please follow the instructions closely and the process of using the Pipe Adapter Fitting Set will be quick and easy. **PLEASE READ THESE INSTRUCTIONS THOROUGHLY BEFORE PROCEEDING**



Step 1. Remove the 3/8 " x 1/4" coupling nut from the stainless steel rod that is exiting the top of the pump assembly using a pair of vise grip pliers firmly clamped around the rod and a 1/2" open end wrench on the coupling nut. Replace it with a 3/8" x 1/2" male pipe thread coupling nut that is supplied with the Pipe Adapter Fitting Set. **Image 1.**

Step 2. Remove the nut, brass cap, seal and guide from the top of the head assembly. Thread the nut back onto the head assembly and then thread the coupling nut that was taken from the top of the pump assembly in Step 1 securely against the nut on the top of the head assembly. Insert a 1/2" socket wrench into the bottom of the head assembly, onto the installed 1/2" x 3/8" coupling nut. Insert a 9/16" open end wrench onto the nut on the head assembly. **Image 2.** Loosen and remove the coupling nut in the bottom of the head assembly. A lock washer will also come out with the nut. Save it for later.



Step 3. Thread the 1" x 1-1/4" PVC bushing and the 1-1/4" female adapter (A) securely onto the pump assembly. **Image 3.** Use a sealant such as Teflon tape. Be careful not to cross thread any parts and do not over tighten. Next, install the 1/2" Stainless steel clad PVC female adapter (B) onto the stainless steel adapter that was installed in Step 1.

Step 4. Next comes the PVC Pipes. Equal lengths of both 1/2" and 3/4" schedule 40 PVC based the water level depth plus an additional 10 to 15' is needed for the installation. Please refer to the main instruction manual for how to determine the static water level. First, glue a 10 or 20' length of 1/2" PVC into the female adapter as shown in **Image 4.** Next, slide a 10 or 20' length of 1 1/4" schedule 40 PVC over the 1/2" PVC and glue the 1 1/4" pipe to the female adapter that is attached to the pump. **Image 5.**



Step 5. Please refer to the main instruction manual for information on how to support the piping while lowering it into the well. Proceed adding lengths of pipe, always installing the 1/2" pipe first and then sliding the 1 1/4" pipe over the top and securing it to the previous length.

Step 6. Before installing the last length of 1/2" pipe, cut 2 feet off of one end and **DRY FIT** (do not glue) the other 1/2" stainless steel clad female adapter onto the remaining 1/2" pipe. Next, thread the 24" long stainless steel rod included with the kit into the 1/2" stainless clad female adapter. **Image 6.** Next, install the modified 1/2" pipe onto the previously installed 1/2" pipe. Glue in place. Next, cut 2 feet off the last length of 1 1/4" PVC pipe and glue a 1 1/4" PVC coupler (not supplied) to one end of the 2 foot length. Next, glue the remaining 1 1/4" female adapter to the 2 foot length of 1 1/4" PVC. Thread on the 1 1/4" x 1" bushing and thread on the gray 1" nipple using Teflon tape or similar sealant. Install the remaining longer section of 1 1/4" PVC pipe into the previously installed 1 1/4" pipe. Glue it in place. Install the 2 foot piece of 1 1/4" pipe over the 1/2" adapter and stainless steel rod. **DO NOT GLUE THE 1 1/4" COUPLING INTO THE LOWER 1 1/4" PIPE! DRY FIT ONLY!**



Step 7. This is an adjustment step. With the 2 foot length of 1 1/4" PVC that has fittings attached to it dry fit in place, there should be a difference in height between the gray 1" nipple and the top of the coupling nut on the rod of about 1/2" to 3/4". **Image 7.**

If there is less than 1/2" between the two points, measure the distance the coupling nut is short and then take the 2 foot 1 1/4" section off and shorten the lower 1 1/4" section of pipe by the measurement taken. Reassemble dry to check the measurement and adjust if necessary. Then glue the 1/2" female adapter to the 1/2" pipe and glue the 2 foot section of 1 1/4" pipe onto the lower pipe with the coupling previously attached to the 2 foot section.

If there is more than 1/2" difference between the two points, measure the distance the coupling nut is long, remove the 2 foot section of 1 1/4" pipe, then remove the 1/2" rod and female adapter from the lower 1/2" pipe and then cut the lower 1/2" pipe the desired amount. Dry fit everything back together and if there is 1/2" difference, disassemble and glue the parts together.

Please refer to the main instruction manual for installation of the Head Assembly.