Barrel Tap WT315

This barrel tap can be added to the side of any waterproof pail, barrel or drum, allowing you to drain its contents easily and as needed. Attaching a hose to the threaded outlet of the faucet lets you direct the flow.

You must make a hole in the side of your container in order to install the faucet. The lower it is, the more of the contents may be drained. If you place the container up on blocks, you can install the faucet within an inch of the bottom, measured from the center line of the faucet. (Of course, you may be limited by how far you can reach down into the container.) Note that if the faucet is near the ground and you want to attach a hose to it, you can turn it so that the exit is horizontal, to prevent the hose from kinking.

Assembly

Making the Hole

Mark the desired location of the faucet on the sidewall of your container; usually 1″ from the inside bottom. Depending on whether your container is metal or plastic, there are different ways to make the required hole.

Metal: A 1 1/16″ hole is required. If you don't have a 1 1/16″ bit, you may use a 1″ bit and enlarge the hole to suit with a small round file. Use a sheet metal drill bit (a regular twist drill but with a special grind on the end for drilling sheet metal) or hole saw to make the hole in the container. **Do not** use a regular twist drill with a standard point, as it will seize or pull the bit into the hole with ferocity as it breaks through! Remove any burr around the hole using a deburring tool or small file.

Plastic: Though you can drill the required hole (as described above), you can also burn it through with a heated faucet. To prevent damaging the inner rubber gaskets during the heating process, remove the tap assembly from the body of the faucet. Hold the faucet steady (in your hand or a vise) and unscrew the valve-retaining nut with a wrench.

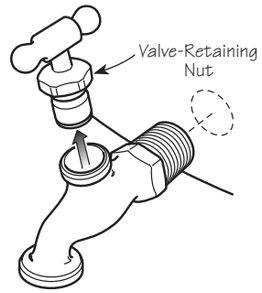

Figure 1: Remove the tap assembly from the faucet.

Hold the faucet with a pair of pliers (locking type is better for this) as shown in **Figure 2**. Be sure not to grip the faucet by the threads.

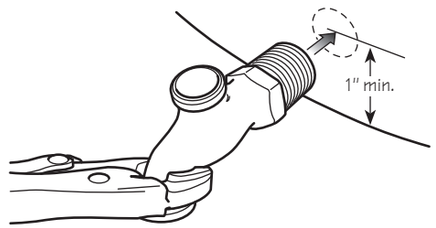

Figure 2: Burning the hole through the container.

Heat the large threaded end of the faucet with a propane torch. Push the heated end through the container in the desired location, until the hex area of the faucet meets the outer wall of the container. Immediately withdraw the faucet so the hole does not become enlarged.

⚠ ***Caution:*** *Burning plastic emits fumes. Work in a well-ventilated area, preferably outdoors.*

Note: *Depending on the temperature of the heated faucet and the thickness of the container, you may need to reheat the faucet several times before it can be pushed through the plastic container.*

Immerse the faucet in water to cool it off. Use a scribe or other pointed tool to remove any plastic residue between the threads. Also remove any burr that may have developed around the hole in the container by using a deburring tool, knife, or small file.

Return the tap assembly onto the faucet body and tighten the valve-retaining nut.

Installing the Faucet onto a Metal or Plastic Container

Place one brass washer and one rubber washer onto the large threaded end of the faucet. Wrap several loops of Teflon® tape (available at most hardware stores) around the threads, close to the hex area of the faucet (this is necessary to make a leakproof connection). Insert this end into the hole in the container. Reach down into the container and install the second rubber washer, the second brass washer, and finally the nut (oriented with the counterbored face toward the tap), as shown in **Figure 3**. Tighten the nut until snug, orienting the faucet as desired.

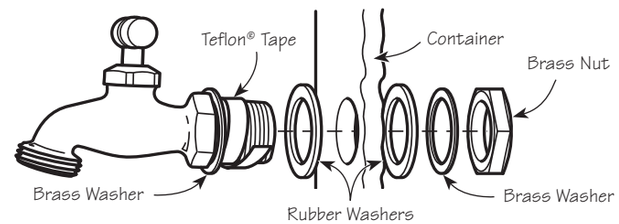

Figure 3: Installing the faucet on metal or plastic container.

Testing the Installation

Ensure the tap is closed. Put a few inches of water into your container. If you observe any leaks around the hole, try tightening the nut a bit more.

Note: *Overtightening can cause a leak as a result of overcompressing the rubber washers. Should this occur, loosen the nut and repeat the installation procedure, tightening the nut less this time.*

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