

# BUILD YOUR OWN RAIN BARREL

## INSTRUCTIONS

### Getting Started

- Clean Barrel (use only food grade barrels) with mixture of 1/8 cup bleach and 5 gallons of water
- Assemble tools and materials

### Inlet

- On inner lid bottom draw 2<sup>1/2</sup> X 4" rectangle with white Sharpie starting 2<sup>1/2</sup> inches from the side
- Drill (4) 1/2" holes within corners of rectangle to allow jig saw blade to clear
- Cut rectangle with jig saw
- Drill (3) 3/32" holes in all aluminum bar stock 2 - 1/2 inch from ends & 1- in middle
- Make (4) scotch tape doughnuts & place one on each piece of bar stock
- Make frame on pet screen with bar stock
- Place screen and bar stock frame over rectangular hole in lid (top side)
- Fasten screen and bar stock frame with self drilling screws

### Outlet

- Lean your chest on the barrel, reach down the barrel toward the floor.....place mark on barrel at fingertip (ensure that mark is not on a barrel rib, if so move it toward top of barrel at least 1<sup>1/2</sup> inches above rib)
- Using the 1/8" drill bit, drill a pilot hole at the mark
- Using the 3/4" hole saw cut a hole at the pilot hole
- Thread a 1/2" nipple through the hole until there are equal threads inside and out
- Put bead of silicone on nipple where threads meet plastic wall of barrel (inside & out)
- Roll Hose washer onto nipple & slide to the barrel wall (inside & out)
- On the inside of the barrel hand tighten a pvc female adapter on the nipple (careful not to over tighten as this may crush washer)
- On the outside of the barrel tighten a steel lock nut
- Teflon tape the threads of a hose bibb
- Thread hose bibb into coupler and tighten
- Teflon tape outside threads of nipple
- Thread hose bibb and coupler onto nipple and tighten making sure faucet is facing down when finished

### Overflow

- Place a mark on the barrel 6<sup>1/2</sup> inches from the top and at least 6 inches off line from the bottom hole
- Using the 1/8" drill bit, drill a pilot hole at the mark
- Using the 3/4" hole saw cut a hole at the pilot hole
- Thread a 1/2" nipple through the hole until there are equal threads inside and out
- Put bead of silicone on nipple where threads meet plastic wall of barrel (inside & out)
- Roll Hose washer onto nipple & slide to the barrel wall (inside & out)
- On the inside of the barrel hand tighten a pvc female adapter on the nipple (careful not to over tighten as this may crush washer)
- On the outside of the barrel tighten a steel lock nut
- Teflon tape the threads of an insert adapter
- Thread insert adapter into coupler and tighten
- Teflon tape outside threads of nipple
- Thread insert adapter and coupler onto nipple and tighten

### Tools You Will Need

- Jig Saw
- 3/4" Hole Saw (recommended) or 3/4" Spade Bit
- 3/32", 1/8", & 1/2" Drill Bits
- Drill
- Hacksaw
- Speed Square
- (2) Expandable Jaw Pliers
- White Sharpie Pen

### Materials You Will Need

- (1) 55 gal Food Grade Barrel
- Teflon Tape
- Silicone Glue
- (1) 4 1/8" X 6" Pet Screen
- (2) 1/2" Close Steel Pipe Nipples
- (2) 1/2" Couplers
- (4) Hose Washers
- (1) 1/2" Hose Bibb
- (1) 1/2" X 3/4" Insert Adapter
- (2) 1/2" Steel Conduit Lock Nuts
- (2) 1/2" PVC Female Adapter
- (2) 4 1/8" Pieces of Aluminum Bar Stock - 1" X 1/16"
- (2) 3 7/8" Pieces of Aluminum Bar Stock - 1" X 1/16"
- (12) 8-18 Self Drilling Screws 1/2" long

### Where to Buy Materials

- Local Hardware Stores
- Local Plumbing Suppliers

### Delallo Food Barrels Available At:

- **Hurlbert's Hardware**  
184 Main Street  
Greenville, PA 16125  
(724)588-4960
- **Delallo**  
1 Delallo Boulevard  
Penn, PA 15675  
(724)527-2801

\* Use Only Food Grade Barrels