

## ***Things you will need ...***

Everything you need to complete this project can be purchased at your local hardware store. If you choose to use a 55 gallon “juice” barrel you can find sources for them on the internet.

### **The Tools**

Drill  
¾“ Spade Bit  
1” hole Bit  
4” hole Bit  
12” Adjustable Wrench  
12” Channel Lock Pliers  
Jigsaw

### **The Hardware**

1 - ½” Brass Faucet Assembly  
1 - ½” Brass Hose Connector  
2 - 1” cap, PVC  
2 - 1” x ½” bushing, PVC  
2 - 1” O ring  
1 - 6’ Garden Hose Connector  
1 - 4” Round Atrium Grate  
1 - 2” x 3” x 4” S&D Downspout Adapter  
1 - A-B Elbow Cover  
1 - Flex Elbow  
4 - Concrete Blocks or equivalent  
(to raise barrel so water will flow)

## **The Container**

Large Heavy Duty Garbage Can  
Large Industrial Juice Barrel  
Large Wooden Whiskey Barrel  
Any container that can be cleaned and is sturdy with a removable lid can be used.

### ***Getting Started ...***

Clean barrel and lid with soap and water.

#### **Step 1 - Faucet Assembly**

- 1 Drill ¾“ hole into 1” PVC cap
- 2 Using 1” hole saw, drill a hole at front center of barrel just above bottom of barrel for faucet assembly.
- 3 Place 1” x ½” PVC bushing into hole from outside of barrel.
- 4 Put 1” O ring on bushing on inside of barrel.
- 5 Screw 1’ PVC cap with hole drilled in it onto bushing inside of barrel.
- 6 Install ½” brass faucet assembly into PVC bushing on outside of barrel.

#### **Step 2 - Overflow Valve**

- 1 Drill ¾“ hole into 1” PVC cap.
- 2 Using 1” hole saw, drill a hole half way between center on side of barrel close to top for overflow valve.

- 3 Place 1” x ½” PVC bushing into hole from outside of barrel.
- 4 Put 1” O ring on bushing on inside of barrel.
- 5 Screw 1’ PVC cap with hole drilled in it onto bushing inside of barrel.
- 6 Install ½” brass hose connector into PVC bushing on out side of barrel.
- 7 Install 6’ garden hose connector to brass fitting to direct overflow away from house.

#### **Step 3 - Rain Intake**

- 1 Drill 4” hole in center of lid (this can be cut with a jigsaw).
- 2 Install 4’ round atrium grate (to catch leaves) into hole in lid, this can be secured with waterproof glue or left unglued for ease in cleaning.
- 3 Slip round end of 2” x 3” x 4” S & D downspout adapter over 4” grate.
- 4 Slip smaller end of A-B elbow cover into 2” x 3” of adapter.
- 5 Slip smaller end of flex-elbow into A-B elbow cover.
- 6 Fit other end of flex-elbow to house gutter downspout.

Place Rain Barrel on concrete blocks. Make sure concrete blocks are level; a full barrel can weigh several 100 pounds