



These designs are like inverted umbrellas. The IBC containers which hold 275 gallons food grade sell at \$100 to \$125. [This is pretty cheap for the capacity.] 330 capacity food grade used from \$150 to \$175.

Step 1: REQUIREMENTS

MATERIALS [€ 70]

- 1 PVC tube - large Ø (80 - 150 mm) - length: 2 m [€ 5,60]
- 4 PVC tubes - small Ø (25 - 30 mm) - length: 3 m [€ 8,40]
- 8 Tube snaps - Ø 25-30 mm [€ 1,60]
- 20 Nuts & bolts - M5 x 30 [€ 3,40]
- 8 Eyebolts & Nuts - M5 [€ 7,00]
- 60 m clothesline [€ 5,40]
- Tension Straps - 5 mm width [€ 2,50]
- Metal straps - Ø = large Ø + 2x small Ø [€ 3,60]
- 4 Keyrings [€ 1,49]
- Net (for a pond) - 3 x 3 m [€ 5,80]
- Impermeable fabric, canvas (7x3 m or 2x 4,5x3 m) [€11,10]
- 16 cable clamps [€ 6,54]

- Table top plate (preferably PVC / natural wood) [reused]
 - 6 shelf supports (L) [€ 4,50]
 - 1 industrial reservoir - 1 m³ / 1000 l [reused]
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These rain saucers are removable. They need to be removed during high winds. Go to <http://www.rainbarrelman.com/rainsaucer.htm> to see how it works. They also sell the kits for making these saucers at \$60. I recommend that Loving Garland Green order one.

NOTE: ½ inch of rain on a 1000 square foot roof will yield 315 gallons of water. Thus one of these saucers which is about 48 inches in diameter would yield about 30 gallons which is a little more than half the capacity of the 55 gal barrel. I would like to experiment with two rain barrels connected so the overflow from one goes to the other. Only one of the barrels would have the saucer.