

### INTRODUCTION

Water is essential for natural life and for human use. The way we use water in our homes and gardens, in commerce and industry and in agriculture, has a direct impact on the environment, so we must have a plan for the management of water that will protect the long term future of the environment, while encouraging sustainable development

### OBJECTIVE

To save the precious water and time by using a device to prevent overflow of water.

### NOVELTY OF THE PRODUCT

AntiFlood Valve 3 is a practical novelty device that is designed and built to overcome those problems mentioned above. By putting into the tap water, AntiFlood Valve 3 can prevent overflow water out from any size of buckets, watering cans, reservoirs, toilet tanks, bathtubs, or any other water tanks by shutting off the water supply at a desire level that attaches or adjusts at water tanks/reservoirs.



AntiFlood Valve 3 Specification:  
 Power : no battery needed  
 Price : RM 10 – 20 (Propotype)  
 Material : Plastic-Teflon/ABS/Nylon  
 Hose connection : solid brass

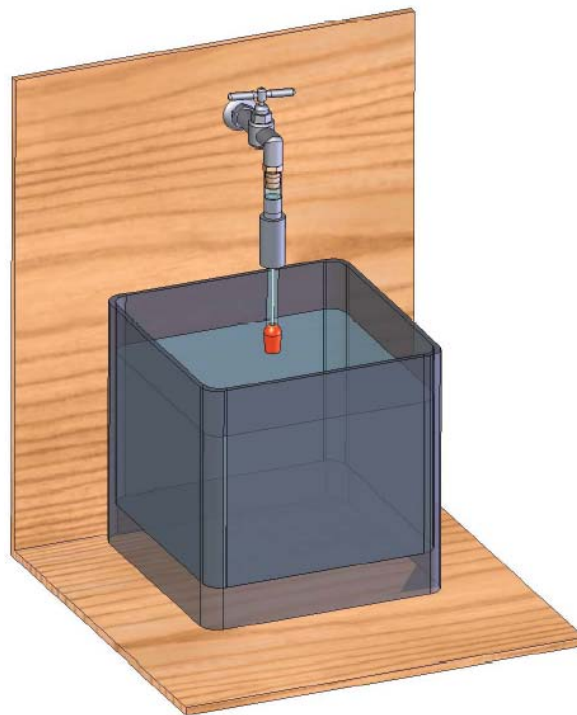


Figure 1 : AntiFlood Valve 3

Figure 2 : Application of AntiFlood Valve 3

### ADVANTAGES

The design of AntiFlood Valve 3 is suitable for any taps and any water tank/reservoir, since AntiFlood Valve 3 size is small enough to bring. As small as an adult palm. We just open the water tap and let the AntiFlood Valve 3 do its job. Meanwhile, we can do other things besides waiting for filling up the water. As a result, AntiFlood Valve 3 also can save our time. AntiFlood Valve 3 also can be used at any place where the taps are, at home, bathroom, in the garden, or any where else. This because AntiFlood Valve 3 is operated by mechanically function, therefore no electrical power is needed. AntiFlood Valve 3 definitely more economic since no battery is needed, and the design is smaller and compact.

### CONCLUSION

AntiFlood Valve 3 is a device that can protect our precious water by controlling the optimum use of water. Therefore, we can save our precious water for next generation. Saving water, saving time, and saving money

### Researchers Info

Safarudin Gazali Herawan  
 Mohd Raduan bin Khalil  
 Mazlan bin Tumin

Tel : +6(06)-233 2362  
 Fax : +6(06)-233 2828  
 E-mail : safarudin@utem.edu.my