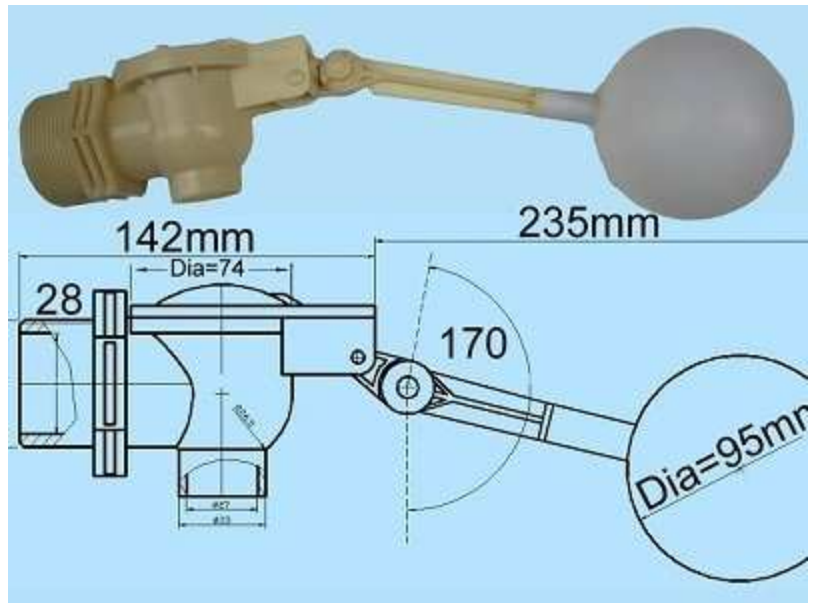
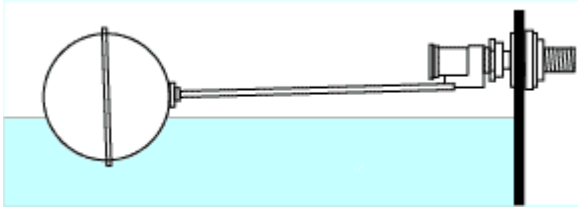


Ball Cock/ Cistern Float Valve



Basic Principle:

The Plumbing, Heating and Ventilating Industry generally utilise float valves in the size range, 15-100mm diameter. The function of any float valve is simplicity itself, allow a reasonable discharge into a cistern and be capable of closing off against maximum pipeline pressure when TWL is obtained. Design considerations include providing high flow rates at low head loss, designing the valve seat to minimise cavitation and noise, minimise frictional resistance and shut off loads and ensuring the float / lever mechanism is always in control of the valve internal.

Animation:

- <http://cdn.explainthatstuff.com/toiletanimation.gif>
- <http://commons.wikimedia.org/wiki/File:Toilet-cistern-03.png>
- <http://www.youtube.com/watch?v=Bs17-Wx01HM>