

NOISELESS WATER DRAINING DEVICE OF AIR CONDITIONER**ABSTRACT**

A noiseless water draining device for use in an air conditioner is made up of a water collecting tank, a pump, a float, a push rod; an upper cover; and an abutment switch. The water collecting tank is made in a two-stage form including an upper stage and a lower stage with a partition board disposed therebetween so as to form a sediment chamber at the upper stage for filtering waste water. A C-shaped float chamber is disposed in the lower stage with a float movably housed therein. A push rod fixed to the top of the float is separably engaged with an abutment rod which can actuate a switch of a pump so that when water is collected in the tank to a certain level, the float is lifted up to actuate the pump to drain water automatically and a siphon effect can be established to noiselessly drain water for a long period of time. Moreover, the sediment chamber can filter waste water in such a manner that impurities and sediment can be prevented from damaging the pump and draining pipe.

Figure.5