

NON-POWERED FLOOD PREVENTION APPARATUS

Abstract

5 The present invention relates to a non-powered flood
prevention apparatus provided in a pipeline of a valve
chamber inside a manhole so as to prevent damage, caused
by a flood, to valves and devices, and to a non-powered
flood prevention apparatus, which automatically opens an
10 opening/closing valve by means of a float rising and
lowering according to water level when a flood occurs in
a manhole, so as to quickly discharge, to the outside
through a suction pipeline, overflowing water in the
manhole by means of suction force generated through an
15 ejector, thereby preventing the corrosion or breakdown
of facilities caused by a flood, enables immediate
management even though people do not operate each device
during a flood, reduces maintenance costs by being used
without power, reduces installation costs and lowers the
20 defect occurrence rate to be lower than those of a drain
method using a conventional pump, and sets a pause time
during operation according to the amount of water
flowing into and discharged from a water collection
container provided at the upper part of the float,
25 thereby increasing efficiency and enabling foreign
material in the suction pipeline to be removed.

[Figure 6]