

DISCHARGE CONTROL APPARATUS AND METHOD

Abstract

Described herein is a discharge control apparatus comprising a housing having a first end and a second end and defines a channel extending between a first opening at the first end and a second opening at the second end for the passage of liquids therethrough, a valve assembly coupling to the housing and disposed with the channel for reciprocating between an open position and a closed position, and a biasing mechanism couples to at least one of the valve assembly and the housing for resiliently biasing the valve assembly towards the closed position. The first end of the housing is couplable to an outlet of a storage tank for fluid communicating the first opening of the channel with the outlet such that flow of liquids from the outlet to the second opening of the channel is substantially impeded when the valve assembly is in the closed position and the biasing mechanism is adapted such that when pressure of liquids at the outlet is at least at a pre-defined pressure level, the valve assembly displaces from the closed position towards the open position to enable flow of liquids from the outlet and thereby discharge of at least a portion of liquids contained in the storage tank towards and out of the second opening of the housing.

Figure 1