

Title (en)

FLUID DISPENSING SYSTEM AND DUAL-MODE, SYSTEM FLUID ACTUATED VALVE FOR USE THEREIN

Title (de)

FLUIDABGABESYSTEM UND SYSTEMFLUIDAKTIVIERTES VENTIL MIT DOPPELMODUS ZUR VERWENDUNG DARIN

Title (fr)

SYSTEME DE DISTRIBUTION DE FLUIDE A DEUX MODES, VANNE ACTIONNEE PAR LE FLUIDE DU SYSTEME ET UTILISEE DANS LE SYSTEME

Publication

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Application

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Priority

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Abstract (en)

[origin: WO03096133A1] Disclosed is a fluid dispensing system for precisely controlling mixing of a first fluid (i.e., a diluent such as water) with a second fluid (i.e., a concentrate) at a mixing point within the system. A valve (10) is positioned in the system along the line of supply (501) of the second fluid upstream of the mixing point (701), such valve (10) being simultaneously actuated through application of positive and/or negative pressure to allow the second fluid to flow through the valve (10). The pressure is generated from the first fluid to be dispensed by the system and mixed with the second, such that the termination of flow of the first fluid immediately terminates flow of the second fluid to ensure proper mixing of the two fluids in the final solution, thus preventing inadvertent leakage of the second fluid or collection of the second fluid within the flow system which may become subject to spoilage or contamination.

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