



VALVCHEQ BACKFLOW PREVENTION OVERVIEW

Your complete backflow prevention solution

Let us help you to understand exactly what backflow is and why it is so important. The term backflow means any unintended reversal of flow of contaminated or non potable water into the pure, potable water distribution system. The direction of flow under these conditions is in the reverse direction from that intended by the system and normally assumed by the owner of the system.

Backflow may be caused by numerous specific conditions; but, basically the reverse pressure gradient may be due to either a loss of pressure in the supply main called backsiphonage, or by the flow from a consumer's pressurized system through an unprotected cross-connection, which is called backpressure. The term backflow covers both a backsiphonage condition and a backpressure condition. A reversal of flow in a distribution main or in the consumer's system can be created by any change of system pressure where the pressure at the supply point becomes lower than the pressure at the point of use. When this happens in an unprotected situation the water at the point of use will be siphoned back into the system; thus, potentially polluting or contaminating the remainder of the consumer's system. It is also possible that the contaminated or polluted water could continue to backflow into the public distribution system.

The point at which it is possible for a non-potable substance to come in contact with the potable drinking water system is called a cross-connection. To prevent backflow from occurring at the point of a cross-connection, a backflow prevention assembly must be installed. However, it is important the backflow prevention assembly matches the particular conditions at that location and is suitable to protect against the degree of hazard present.

ValvCheQ backflow systems offers you a practical and affordable solution to all of these situations. We have developed a range of purpose built devices you can rely on. Emerson is without question the region's largest valve and actuator supplier, with eighteen manufacturing plants certified to ISO 9001 and twenty one strategically located sales and distribution centres with over 1800 employees.

The breadth and scope of our resources enables us to offer you a complete choice of solutions for all your flow control needs - from individual products to our comprehensive total responsibility package - everything it takes to make flow control simpler, easier, and more cost-effective.



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