

Precautions must be taken to ensure prevention of cross-contamination between the irrigation system and the potable water supply. All irrigation systems must incorporate backflow prevention devices (fig. 601.04(2)) that allow water to flow in one direction but never in the opposite direction to prevent the contamination of potable water. The backflow prevention devices must be checked in line with the manufacturer's recommended practice. The devices must be checked to ensure that they operate correctly and do not allow any backflow even when the supply water pressure is reduced.

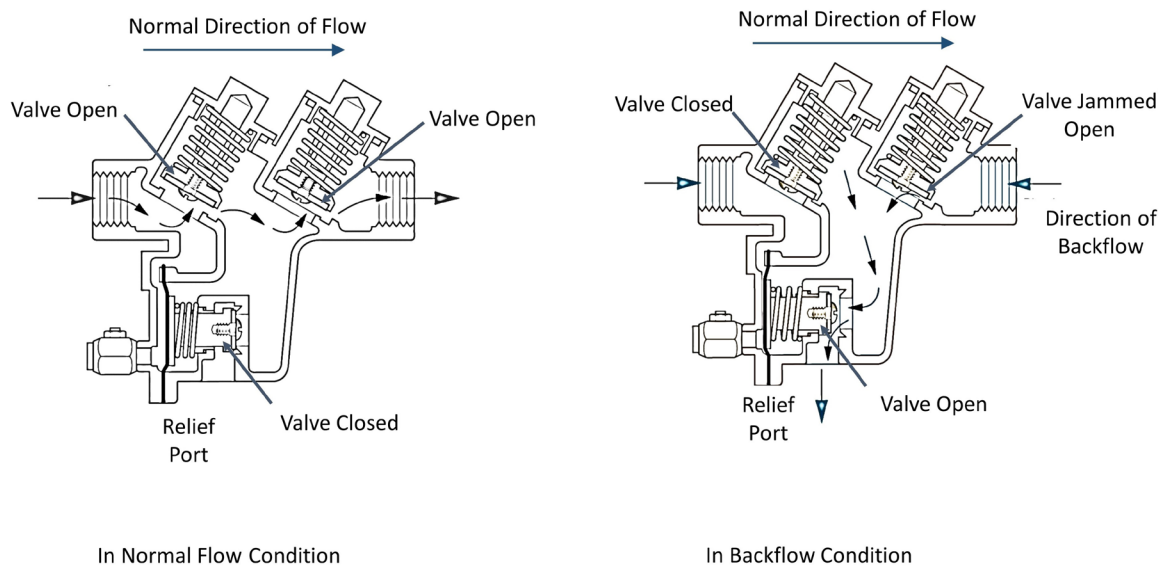


Fig. 601.04(2): Backflow Prevention Devices

COMPLIANCE DOCUMENTATION

Table 601.04(1): Documents Required

Project Stages	Submittal Documents
Design Permit Application	1. Irrigation system layout indicating the source of water used in irrigation and the irrigation method.
Construction Completion Application	1. Final approved irrigation layout indicating the source of water used in irrigation and the irrigation method. 2. Technical specifications of irrigation system including backflow prevention device. 3. Delivery note of the system including backflow prevention device.
After Completion	Not applicable.

REFERENCES AND ADDITIONAL INFORMATION

International Organization for Standardization. (2017). IWA 20: Understanding and applying drip irrigation for sustainable agriculture.

International Organization for Standardization. (2015). ISO 16075: Guidelines for treated wastewater use for irrigation projects.