



Backflow Prevention Assembly Installation Guide

AG = Air Gap RP = Reduced Pressure Assembly DC = Double Check Assembly

Autoclaves	RP
Baptismal	AG or RP
Boilers over 199,999 BTU's	RP
Carbonation (Stainless Steel Assembly only)	RP
Car Wash	RP
Chilled Water Make-up, Expansion, Quick fill	RP
Commercial Laundry	RP
Dental Office (on line servicing equipment)	RP
Domestic Supply Line	RP
Film Processing (on line servicing equipment)	RP
Fountain (with connection to city water)	RP
Funeral Home and Mortuary (on prep room line)	RP
Fire Lines (Stainless Steel Assembly only)	RP
Green House or Nursery (with toxic chemicals)	RP
Hospital (parallel system required)	RP
Laboratories Jr. High, High School & Research Labs	RP
Ice Machine	DC
Irrigation System (with chemical injection)*	RP
Commercial Irrigation*	RP
Residential Irrigation System.*	DC
Manufacturing Plant (toxic)	RP
Medical Facility (on line servicing equipment)	RP
Meat Processing Plant	RP
Multi-story building more than 3 floors	RP
Plating Shop (on equipment line)	RP
Water Softener or Water Filtration Systems	RP
X-ray Film Processor	RP

***NOTE: All Irrigation Systems require a Rain & Freeze Sensor installed on the Controller.**

Assemblies CAN NOT be installed under counters or behind Equipment.

All Assemblies MUST remain visible and accessible for annual testing.

Assemblies MUST be installed at a maximum height of 4 feet and minimum of 1 foot from the floor.

Assemblies for Carbonation: Copper into Assembly and ONLY Flex hoses out.

If you have a piece of equipment that is not on the list or have a question about any requirements, please contact the Backflow Inspector at the number listed below for the appropriate assembly.

A **Licensed Backflow Assembly Tester** must test all backflow prevention assemblies upon installation and annually thereafter. A list Backflow Assembly Testers, registered with the City of Mesquite, can be found at

www.cityofmesquite.com/utilities.

The Backflow Inspector must be present at the time for all backflow prevention assembly tests.

Please contact the Inspector at 972-216-6947 to schedule a backflow testing appointment.