



Required Backflow Assembly for Typical Applications

Application	Type of Backflow Assembly
Animal Clinics (kennel, veterinary, etc.)	Reduce Pressure
Auto Repair / Body Work / Painting	Reduce Pressure
Auxiliary Water Supply (well, non-City controlled water supply, etc.)	Reduce Pressure
Barber or Beauty Salon with commercial sink	Reduce Pressure (no backflow device required if air gap ensured with proper equipment such as a spring loaded pre-rinse faucet)
Beverage / Bottling Plant (brewery, winery, etc.)	Reduce Pressure
Blood Bank	Reduce Pressure
Booster Pump	Reduce Pressure
Cannery or Packing House	Reduce Pressure
Car Wash with recycled water or water storage	Reduce Pressure
Cement, Concrete, Sand & Gravel Plants	Reduce Pressure
Chemical or Hazardous Waste Storage / Processing	Reduce Pressure
Cooling Tower	Reduce Pressure
Dye Tanks	Reduce Pressure
Film Processing with direct water connection (photo, x-ray, etc.)	Reduce Pressure
Fire Protection Systems:	
• dedicated fire service	Double Check Detector Check
• with black iron pipe or other non-potable piping	Double Check Detector Check
• with onsite water storage	Reduce Pressure Detector Check
• with chemical additives	Reduce Pressure Detector Check
Fountain, Ornamental Pool or Pond with direct water connection	Reduce Pressure
Gas Station	Reduce Pressure
Heating, Air Conditioning or Refrigeration Equipment with direct water connection (including boilers & solar hot water)	Reduce Pressure (no backflow device required if the heat/chilling transfer medium in the equipment is separated from the potable water by an unpressurized intermediate chamber where a leak in either the potable water or heat/chilling transfer medium will freely drain outside of the unit)
Irrigation Service (dedicated service on a separate meter)	Reduce Pressure
Laboratory Facilities	Reduce Pressure
Laundry or Dry Cleaning (commercial use, not including self-serve laundromat)	Reduce Pressure
Manufacturing, Processing or Storage with industrial fluids (metal, paper, plastics, plating facilities, etc.)	Reduce Pressure
Medical/Dental, Hospital, Medical Research, Convalescent or Long Term Care, Sanatorium and Other Human Clinics	Reduce Pressure
Mortuary, Funeral Home, Morgue or Autopsy Facility	Reduce Pressure
Multiple Water Service Connections (where the water system is interconnected within property)	Reduce Pressure
Multi-storied Buildings (3 or more stories)	Reduce Pressure
Oil (animal, vegetable or mineral) and gas (liquid or under pressure) Production, Storage or Transmission	Reduce Pressure
Outside City Limits, any non-residential property outside city limits served by City water	Reduce Pressure
Premises with a history of establishing a cross connection	Reduce Pressure
Printing Shop with direct water connection	Reduce Pressure
Pump with direct water connection (sewer, storm water, etc.)	Reduce Pressure / Air Gap
Radioactive Material	Reduce Pressure
Recycled Wastewater or Gray-water used within in property	Reduce Pressure



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Recreational Vehicle Dump Station	Reduce Pressure
Restaurant, Tavern, Commercial Kitchen and other food service facilities with beverage fountain or commercial sink	Reduce Pressure (no backflow device required if air gap ensured with proper equipment such as a spring loaded pre-rinse faucet on sinks, check valve on carbonated sode machines, etc.)
Restricted, Classified or Other Closed Facilities	Reduce Pressure
Sewer treatment, handling or pumping equipment (residential exempt)	Reduce Pressure / Air Gap
Shell Buildings or newly constructed non-residential buildings where the future use(s) may reasonably require backflow protection	Reduce Pressure
Schools	Reduce Pressure
Steam (generation, cleaning equipment, etc.)	Reduce Pressure
Swimming Pool or Hot Tub (single family residential exempt)	Reduce Pressure / Air Gap
Tank Trucks or Spray Rigs (all)	Reduce Pressure
Water Cooled Equipment	Reduce Pressure
Water Treatment Equipment that backwashes (soft water system, filters, etc.)	Reduce Pressure
Water Storage (non-City controlled)	Reduce Pressure