

City of Dover
699 Lakeshore Avenue
P O Box 115
Dover ID 83824
208-265-8339

Water Department: Hal Overland, Plant Operator

BACKFLOW PREVENTION REQUIREMENTS

RESIDENTIAL INSTALLATION:

1. Requires a testable "double check valve assembly" sized to fit incoming water service line. **
2. The Backflow Prevention Device must be installed in an easily accessible, non-freezing location and MUST BE TESTED YEARLY.
3. All exterior Hose Bibs will require vacuum breakers. There are two types available: Standard and Frost-free or Bury Hydrant.

** Other types of backflow prevention devices may be required depending on facilities, fixtures, equipment, or use of water (see attached example chart).

COMMERCIAL INSTALLATION:

Requirements will be addressed on a "case-by-case" basis.

The landowner is responsible for compliance and all costs for installation and yearly testing.

NOTE: State requirements will supersede any and all city requirements.

ALL INSTALLATIONS MUST MEET CITY OF DOVER WATER STANDARDS (see attached). The rules and regulations for governing the minimum backflow prevention device requirements are contained within Dover City Ordinance #80.

| Minimum Distances from a Public Water System Well | |
|--------------------------------------------------------------------------------------|----------|
| Privies | 100 feet |
| Livestock | 50 feet |
| Canals, streams, ditches, lakes, ponds and tanks used to store nonpotable substances | 50 feet |

(12-10-92)

02. Table 2 – Selection Chart for Minimum Backflow Prevention Services.

| SELECTION CHART FOR MINIMUM BACKFLOW PREVENTION DEVICES | | | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------------------|-----------------------------|-------------------------------------|---------|
| FACILITIES, FIXTURES, EQUIPMENT, OR USE OF WATER | ATMOSPHERIC TYPE VACUUM BREAKER | PRESSURE TYPE VACUUM BREAKER | DOUBLE CHECK VALVE ASSEMBLY | REDUCED PRESSURE BACKFLOW PREVENTER | AIR GAP |
| Animal Watering | X | X | | X | X |
| Aspirators, harmful substance | X | X | | X | X |
| Autopsy Equipment | X | X | | X | |
| Autoclaves | | | | X | |
| Boiler Feeds without harmful chemicals | | | X | | |
| Boiler Feeds with harmful chemicals | | | | X | X |
| Bed Pan Washers | X | X | | | |
| Cuspidors, Open Outlet | X | X | | | |
| Cuspidors, Valved Outlet | | X | | | |
| Dairies and Farms – high risk | | | | X | X |
| Dairies and Farms – low risk | | | X | X | X |
| Dishwashers | X | X | | | X |
| Domestic Water Booster Pump on service lines | | | X | X | |
| Garbage Can Washers | | X | | | X |
| Heat Exchangers with transfer fluids | | | X | X | |
| High Rise Buildings, 3 stories or more, bldgs. on hill | | | X | X | |
| Irrigation Systems, such as cemeteries, golf courses, playgrounds, parks, estates, ranches, schools, and residential uses with chemicals added | | | | X | X |
| Irrigation Systems, such as cemeteries, golf courses, playgrounds, parks, estates, ranches, schools, and residential uses without chemicals added | X | X | X | | |
| Laundries with under rim or bottom-fill inlets, dry cleaning, and dye works | X | X | | X | X |
| Mobile Home and RV Parks with nonapproved waste valves | | X | X | X | |

| SELECTION CHART FOR MINIMUM BACKFLOW PREVENTION DEVICES | | | | | |
|---------------------------------------------------------------------------|---------------------------------------|------------------------------------|-----------------------------------|----------------------------------------------|---------|
| FACILITIES, FIXTURES, EQUIPMENT, OR USE OF WATER | ATMOSPHERIC TYPE VACUUM BREAKER | PRESSURE TYPE VACUUM BREAKER | DOUBLE CHECK VALVE ASSEMBLY | REDUCED PRESSURE BACKFLOW PREVENTER | AIR GAP |
| Mobile Home and RV Parks with below ground level service line termination | | | | X | |
| Fixing Tees with steam and water used with harmful substances | | | | X | |
| Fixing Tees with steam and water used without harmful substances | | | X | | |
| Private Water Sources which are unmonitored | | | | X | |
| Radiator-Vats | | | | X | X |
| Slaughter Houses | | | | X | |
| Car Washes using soaps and waxes | | | X | X | |
| Chemical Plants | | | | X | X |
| Dockside Watering Facilities, Marinas | X | | X | X | X |
| Film Laboratories | | | | X | X |
| Food Processing Plants | | | X | X | X |
| Fertilizer Plants | | | | X | X |
| Hospitals handling harmful substances | | | | X | |
| Lab Sink using toxics (unharmful) | X | X | X | X | |
| Meat Packing Plants | | | | X | |
| Medical Bldgs, clinics, laboratories, etc. | | | | X | |
| Nonpotable Water | | | | X | X |
| Oil Refinery and Petroleum Storage Facilities | | | | X | |
| Sanitariums | X | X | | X | |
| Sewage Piping or Plants | | | | X | X |
| Tank Truck Fill Station | | | | X | X |
| Mortuaries | | | | X | |
| Hoses that could be in contact with animal waste | X | X | | | |
| Shampoo Sprays | X | X | | | |
| Sterilizers | | | | X | |
| Steam Cookers using low health risk substance | | | X | | |
| Steam Cookers using high health risk substance | | | | X | |
| Swim Pools, Hot Tubs, private or semiprivate | X | X | | X | X |
| Swim Pools direct connection | X | X | | X | X |

| SELECTION CHART FOR MINIMUM BACKFLOW PREVENTION DEVICES | | | | | |
|---------------------------------------------------------|---------------------------------------|------------------------------------|-----------------------------------|----------------------------------------------|---------|
| FACILITIES, FIXTURES, EQUIPMENT, OR USE OF WATER | ATMOSPHERIC TYPE VACUUM BREAKER | PRESSURE TYPE VACUUM BREAKER | DOUBLE CHECK VALVE ASSEMBLY | REDUCED PRESSURE BACKFLOW PREVENTER | AIR GAP |
| Urinals | X | | | X | |
| Water Cooling or Heating Coils | | X | | X | |
| Water Closets | X | | | X | |

X -- indicates suitable protection to be required by the public water system. For facilities with multiple options, the public water system will determine the lowest degree of protection that is acceptable. (4-6-05)

901. - 999. (RESERVED).