



Chanhassen Fire Department

FIRE PREVENTION BUREAU

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MAXIMUM ALLOWED SIZE OF DOMESTIC WATER SERVICE ON A COMBINATION DOMESTIC/FIRE SPRINKLER SUPPLY LINE

1. Domestic water line shall not be greater than $\frac{1}{4}$ pipe size of the combination service water supply line.
2. 1 $\frac{1}{2}$ " domestic off 6" line.
3. 2" domestic off 8" line.
4. 2 $\frac{1}{2}$ domestic off 10" line.

Option 1:

Domestic sizes may be increased if it can be calculated hydraulically that the demand by all domestic fixtures will not drop the fire sprinkler water below its minimum gallonage required.

Option 2:

Combination domestic and fire line service shall have an electric solenoid valve installed on the domestic side of the service. This valve shall be normally powered open and close on loss of electric power or signal from the system water flow indicator.

Must be approved by the Chanhassen Fire Marshal and Chanhassen Mechanical Inspector.

Revisions 6/10/02
 3/22/05
 5/2/08
 2/15/10
 4/17/17