

Fire Flow Results

- Res P = 63 psi
- Static P = 75 psi
- Q_{fire} = 1121 gpm.

$$Q_{20} = Q_1 \left(\frac{S - P_2}{S - P_1} \right)^{0.54}$$

$$Q_{20} = 1121 \left(\frac{75 - 20}{75 - 63} \right)^{0.54} = 2550 \text{ gpm}$$

20 psi

2550 gpm > 2000 gpm.