



QUICK RESPONSE

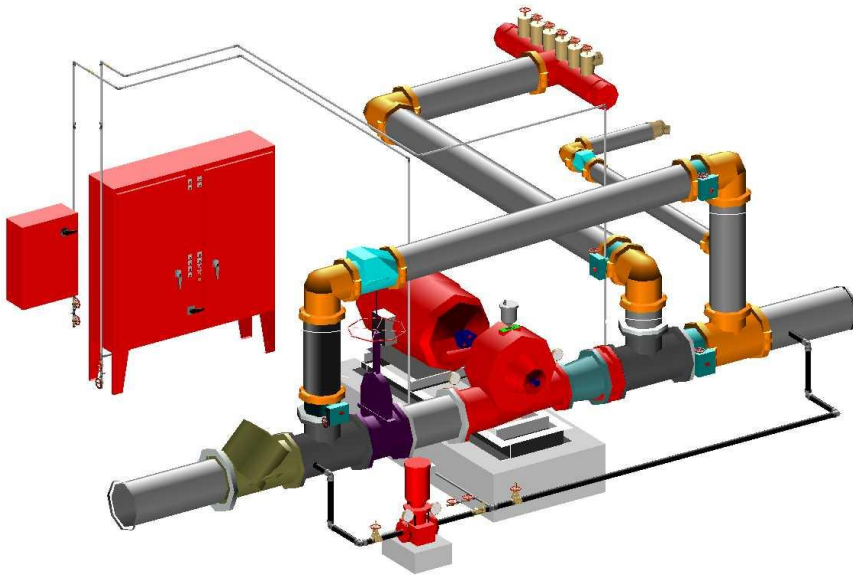
Saving life and property through effective licensing, plan review, and inspection of fire protection systems.

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FIRE PUMPS

A **fire pump** is a device that increases the pressure of an available water supply. It can be considered part of the water supply for a fire protection system. It may either boost available pressure or generate all pressure for a given water supply. It is important to recognize that a **fire pump** cannot create water and increase the water supply's overall quantity (volume). As alluded to earlier, what a **fire pump**

does is increase the pressure of water at a specific flow.



A **fire pump** is most often utilized in conjunction with a municipal water supply. Where a public main is not available a stored water supply (i.e. tank) can be combined with a **fire pump** to supply the fire protection system. Other sources of water supplies may be ponds, lakes, rivers or wells.

A **fire pump** may be powered by an electric motor or diesel engine. On very rare occasions a **fire pump** is powered by a steam turbine.

Types of **fire pumps** include: horizontal split case, vertical split case, vertical inline, vertical turbine, and end suction.

The National Fire Protection Association's (NFPA) standard that governs **fire pump** installations is *NFPA 20 - Standard for the Installation of Stationary Pumps for Fire Protection*.

