

Fiberglass Water Tanks for Fire-Protection Water Applications

Growing concerns about fire safety and increased use of sprinkler systems in building construction have resulted in a new demand for underground tanks for the storage of fire-protection water. Because of this, residential and commercial building designers need to find safe, reliable and cost-effective systems for the storage of fire-protection water in their projects. Often, new regulatory codes and insurance requirements are calling for stand-alone, standby water supplies. Common examples of fire-protection water applications are schools, housing developments, medical centers, resort properties and casinos.

Xerxes fiberglass water tanks are becoming an especially popular choice for all types of water applications in rural, suburban and urban facilities. Whether the need is as a sole source of water in rural areas or as a standby water reservoir to supplement a pressurized municipal water system, a Xerxes tank provides maintenance-free underground storage of water.

Recent changes in NFPA codes require system design alternatives, such as standby water reservoirs when the existing pressurized water supply is inadequate or when water-pressure levels are not dependable. The 2001 edition of NFPA 1142 Standard on Water Supplies for Suburban and Rural Fire Fighting depicts a fiberglass underground storage tank to illustrate a sole-source water cistern.

A Xerxes underground tank used as a water reservoir has many advantages over an aboveground tank used for the same purpose.



For instance, it does not occupy valuable property that could be used for parking or other needs, and it makes the property aesthetically pleasing. Also, since the tank is buried, it does not require the expensive protection against water freezing that might be necessary with an aboveground tank.

A growing trend is to use a water tank as a dual-purpose tank, such as for potable water and fire-protection water. A Xerxes fiberglass tank using NSF-listed resin is ideally suited for such dual-purpose applications.

