FIRE PROTECTION SYSTEMS

Vertical Column Shaft Pumpset

Fire protection from below ground water storage

Allied Pumps Vertical Column Shaft Pumpsets draw from below-ground water supply for fire protection, allowing concealed tanks to be used in place of above-ground storage. Because the pump column extends down into the tank, suction is always flooded, eliminating the priming and suction problems associated with drawing from below the pumphouse. Configurations are custom engineered to the depth and duty of each installation and comply with AS2941.

KEY FEATURES

- Suits Below-Ground Water Supply
- Maintains Flooded Suction Requirement of AS2941
- Eliminates Priming and Suction Problems
- Reduces Risk of Pump Room Flooding
- Heavy Duty Right Angle Gearbox for Diesel Drive
- Vertical Mount Motor for Electric Drive
- Submersible Multistage Jacking Pump on Dropper Pipe

PRODUCT APPLICATIONS

- Developments With Limited Site Area
- Concealed Below-Ground Tank Installations
- Retrofit to Existing Below-Ground Storage
- Sites Where Above-Ground Storage Is Not Permitted



FREEING UP THE SITE

Above-ground fire water storage occupies land that could be built on, landscaped or sold. On a constrained block it can be the difference between a scheme that works and one that does not, and on a large development it is area that generates no return for the life of the project.

Drawing from a concealed below-ground tank removes that constraint. The storage sits under the site rather than on it, freeing the area above for development while the pumpset draws from below the level of the pumphouse. The fire system is unchanged in capability and remains fully compliant with AS2941, so the gain in usable land costs nothing in protection.



Vertical column shaft pumpset during installation, showing the column head above the tank.



Column assembly being lowered into the below-ground tank, with the pumphouse in position above.