



PVC WELL CASING & SCREEN PIPE



PVC well casing and screen are widely favored due to their lightweight, strength, ease of installation, durability, corrosion resistance, and cost-effectiveness. Conditions encountered at water well drilling sites and within boreholes are typically harsh.

Here are some guidelines to follow:

- Utilize scientific documentation and technical data throughout the process, from site selection to pipe selection.
- Store pipes that are not immediately used on wooden wedges, covered, and shaded.
- During loading and transportation, ensure pipes do not come into contact with the ground, and protect threaded ends particularly.
- Do not remove protectors from male head threads until the pipe is ready to be lowered.
- Conduct a thorough inspection of pipes before installation, and do not use pipes with visual defects.
- Choose pipes based on the appropriate pump and ensure the well diameter matches the pipe diameter.
- Avoid covering pipe threads with grease or other lubricants; water and soap are sufficient for installation.
- Do not apply adhesives to pipe threads as they can degrade the pipe and disrupt attachment.
- Use appropriate tools that do not damage pipes, such as belted tightening wrenches, during installation.
- If the pipe lowers slowly into the well, fill it with well mud using a gun or bucket rather than blowing it.



- Use a centering spring every 8 meters to maintain pipe alignment within the well, especially at the lowest closed pipe.
- If the pipe becomes stuck during installation, remove it and re-scan the well with an auger before re-lowering the pipe.
- Once the pipe touches the bottom of the well, withdraw it by at least 10 cm and suspend it to keep it straight during graveling.
- Gravel should be continuously and evenly shoveled around the equipment pipe to maintain its straightness.
- Prevent the formation of bridges in gravel, especially in silt-laden areas; immediate action should be taken if bridging occurs to prevent well collapse.
- Do not mount pumps with vertical axles or pump connection parts directly onto PVC equipment pipes; use an iron sheet pipe at the well end for pump connection instead.
- When selecting a pump, consider the internal diameters of the pipes to ensure compatibility.