



TESTING AND INSPECTION OF DI WATER SUPPLY PIPES



About Phans4 :

Phans4 consulting is an inspection and testing agency employs qualified personnel who specialize in inspecting and testing mechanical equipment, Our experts are well qualified in relevant fields with international approved certifications to perform tests and inspections. They undergo continuous training to stay updated on the latest inspection techniques, testing methods, and regulatory requirements, Familiarity with Regulations and Codes. They all have experience working in relevant industries such as manufacturing, oil and gas, petrochemicals, power generation, or any other field involving mechanical equipment.



TESTING & INSPECTION OF DI WATER SUPPLY PIPES

The testing and inspection methodology for DI (Deionized) water supply pipes typically involves the following steps:

Our Services:

VISUAL INSPECTION:

Start by visually examining the entire length of the DI water supply pipe for any visible cracks, leaks, or physical damage. Inspect the pipe joints, fittings, and connections as well.

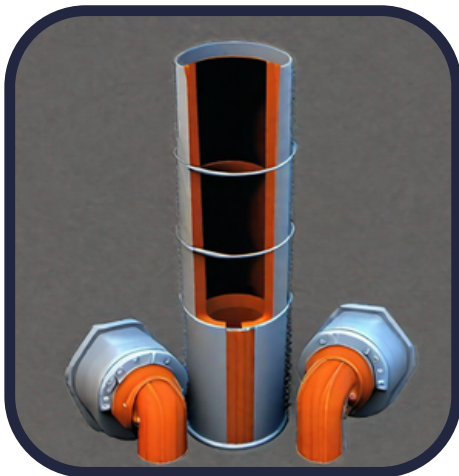


PRESSURE TESTING:

Perform a pressure test to ensure the integrity of the DI water supply pipe. This involves pressurizing the pipe with water or air to a specified pressure level and checking for any pressure drop or leaks. The pressure should be maintained for a specified duration to ensure the pipe can withstand the intended operational pressure.

LEAK DETECTION:

Utilize leak detection methods, such as ultrasonic testing, to detect any hidden leaks or breaches in the DI water supply pipe. This can help identify potential issues that may not be visible during visual inspection.

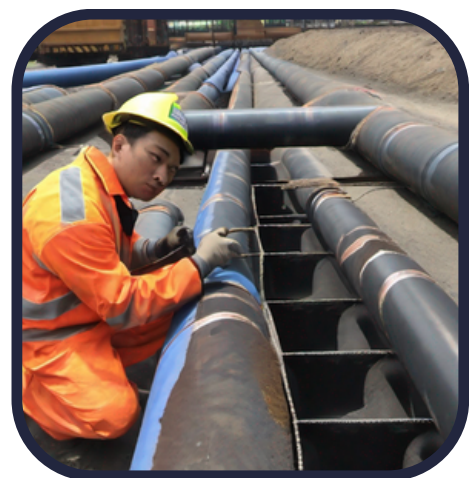


WATER PURITY TESTING:

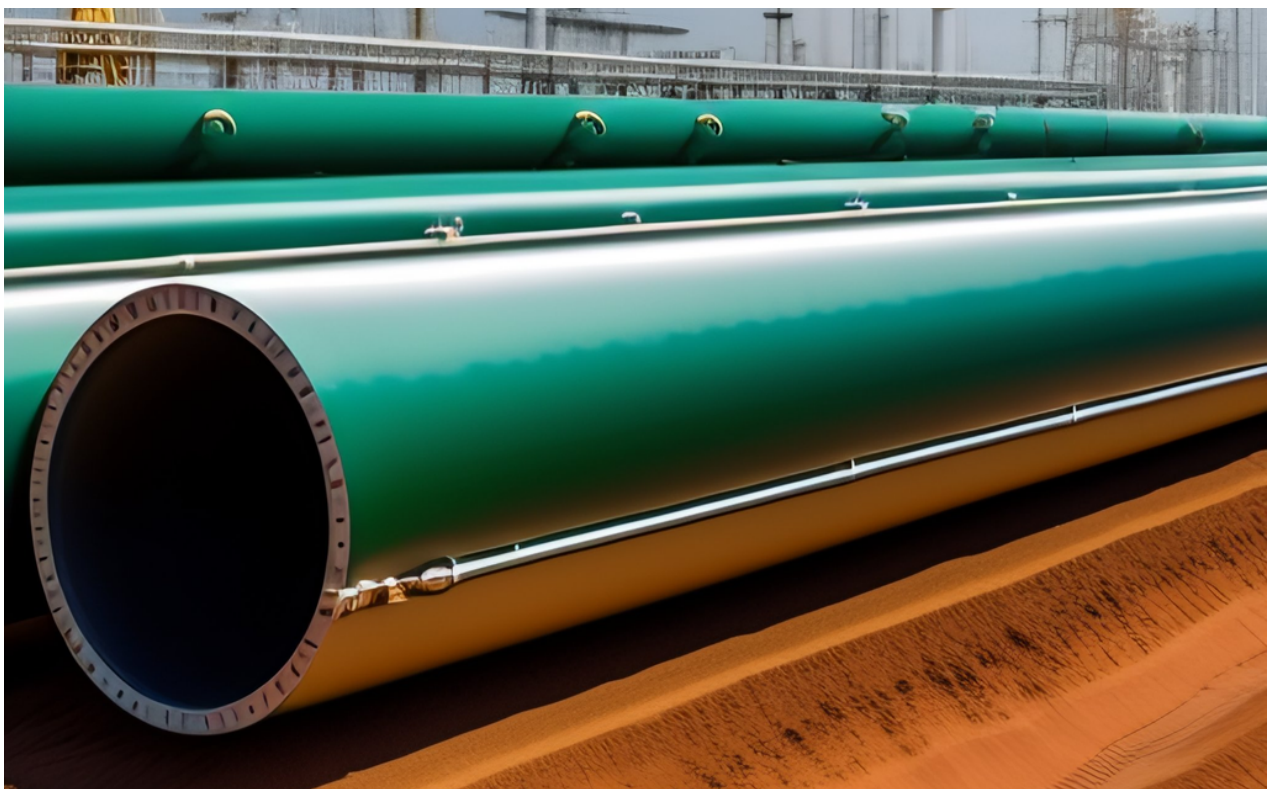
Since DI water is used for high-purity applications, it is important to test the water quality. Conduct water purity testing to check for the level of impurities, such as dissolved solids, ions, or contaminants. This can be done using water analysis techniques and equipment specifically designed for DI water testing.

DOCUMENTATION:

Maintain detailed records of the testing and inspection processes, including the test results, dates, and any observations or corrective actions taken. Proper documentation is essential for compliance, traceability, and future reference.



Phans4 consulting experts are familiar with relevant codes, standards, and guidelines specific to DI water supply systems.



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