

## CONCRETE PRESSURE PIPE FOR INDUSTRIAL PROCESS PIPING



The hands-on engineering support provided by the concrete pressure pipe industry is just one of the many attributes of concrete pressure pipe that make it the ideal choice for many industrial process piping applications.

Industrial process piping applications for which concrete pressure pipe is applicable are most typically for transporting either raw or treated water, or water-diluted material. However, since most concrete pressure pipe is built with a water-tight steel cylinder and steel joint rings that can either be gasketed with specially-compounded gaskets or welded, either of which provide air- and water-tightness, concrete pressure pipe has also been designed for non-traditional applications. The efficient design of concrete pressure pipe, which optimizes the use of steel, often makes concrete pressure pipe a cost-effective alternative for many such projects where a mortar or concrete lining does not affect the material being transported.

### TYPICAL INDUSTRIES WHICH HAVE USED CONCRETE PRESSURE PIPE INCLUDE:

- power plants
- treatment plants
- chemical plants
- ethane crackers
- polyethylene plants
- paper mills
- fertilizer plants
- ethanol plants

## APPLICATIONS INCLUDE:

- cooling water lines
- chilled water lines
- makeup water lines
- fire water lines
- treated and waste water lines
- compressed air storage
- accident flow containment units

The benefits of choosing concrete pressure pipe start with the experienced and detailed engineering assistance provided by the concrete pressure pipe industry. Our pipe specialists are available to assist in the evaluation of each application for suitability and solutions. Each project is detailed for the specific application, with pipe and fittings designed to reduce cost and risk. These detailed drawings are typically maintained by the pressure pipe supplier indefinitely, allowing the project owner to come back to the pipe supplier decades later for simplified evaluation of proposed changes or upgrades to the system.

## LEARN MORE

For more information on using Concrete Pressure Pipe in your next industrial plant project, speak with your Concrete Pressure Pipe supplier, or contact the American Concrete Pressure Pipe Association at **714.801.0298** or **[www.acppa.org](http://www.acppa.org)**.

## ATTRIBUTES OF CONCRETE PRESSURE PIPE THAT ENHANCE ITS SUITABILITY FOR INDUSTRIAL APPLICATIONS INCLUDE THE FOLLOWING:

- Excellent beam strength for aerial installations
- Custom designed fittings
- Gasket joints with various compounds available, to provide airtight joints for nearly any fluid
- Testable joints available to obviate need for complete system hydrotest
- Availability of restrained joints to avoid need for thrust blocks
- Availability of harnessed clamps or Snap-Ring® to restrain joints without welding
- Knowledgeable service available for ease of repair or system revision
- Rigid, watertight pipe for excellent load support regardless of available soil and bedding conditions
- Mortar coatings provide years of protection, and are durable and easy to repair
- Detailed engineering and technical support not available with a stock product

With the detailed engineering, job-specific designs, gasket joints, and robust concrete pressure pipe, project owners and contractors receive a pipe that goes from drawing to fabrication to installation in the shortest time, reducing risk and the critical path for industrial projects. And years later, when changes to the system are contemplated, the detailed drawings will make those future decisions easier and faster, too.



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