

What is Concrete Pressure Pipe?

Concrete pressure pipe is an engineered product that combines the best features of Portland Cement, concrete and steel to create a robust structure for conveying liquids within a wide range of external loads and internal pressures. The past 50 years have seen a rapid increase in the use of concrete pressure pipe. Development in concrete pressure pipe design, manufacturing and applications have been influenced by the needs and philosophies of users, as well as the ingenuity and resourcefulness of the pipe manufacturers.

Ninety of the 100 largest North American metropolitan areas use concrete pressure pipe in their water systems. Normal applications include:

- Transmission Lines
- Distribution Lines
- Irrigation Lines
- Sewage Force Mains
- Siphons
- Aerial Lines
- Industrial Process Water Lines
- Cooling Water Lines (Power Plants)
- Subaqueous Intakes
- Outfalls and Crossing
- Internal Spillways for Earthfill Dams



Founded in 1949, the American Concrete Pressure Pipe Association (ACPPA) is a nonprofit trade association representing manufacturers of concrete pressure pipe around the world. ACPPA sponsors research projects and conducts educational programs to promote and advance the use of concrete pressure pipe in water and wastewater applications. The association also manages an independent audit program to certify compliance with all applicable American Water Works Association (AWWA) standards for the design and manufacture of concrete pressure pipe.