

Concrete Pressure Pipe

AWWA MANUAL M9

Third Edition



**American Water Works
Association**

MANUAL OF WATER SUPPLY PRACTICES — M9, Third Edition

Concrete Pressure Pipe

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Chapter 1

Purpose and Scope

The use of concrete pressure pipe for conveying water and other liquids under pressure has dramatically increased in recent years. Its rugged construction and the natural corrosion resistance provided by embedment of the ferrous components in concrete or cement mortar offer the design engineer solutions to a wide range of structural and environmental problems (Figure 1-1).

The manufacture of four basic types of concrete pressure pipe are covered by the following American Water Works Association (AWWA) standards:

ANSI/AWWA C300 Standard for Reinforced Concrete Pressure Pipe,
Steel-Cylinder Type

ANSI/AWWA C301 Standard for Prestressed Concrete Pressure Pipe,
Steel-Cylinder Type



Figure 1-1 A typical installation in rugged terrain