



CURED-IN-PLACE PIPE (CIPP) RENEWAL SYSTEM: PRESSURE PIPE

CIPP RENEWAL SYSTEM PRESSURE PIPE

IPR offers RS Technik's lining system for the trenchless rehabilitation of pressure pipe using CIPP. It is capable of completely restoring industrial and other raw water pressurized systems. When completed, the operating conditions are "like new" and fully restored at a fraction of the cost of traditional dig and replace methods.

IPR Pressure Pipe CIPP Applications:

- ▶ Industrial sewer force mains
- ▶ Fire water lines
- ▶ Cooling mains
- ▶ Drinking water mains
- ▶ Transmission lines

Industrial Pressure Pipes Renewed With CIPP Repairs Are A Safe, Permanent Repair

Renewed pipes are capable of maintaining internal pressure and external loads without the support of the existing pipe. The liner can be designed to replace the host pipe as a fully structural solution. Alternatively it can also be designed as a Class II or III semi-structural system when pipes are suffering from internal corrosion, leaking joints, and/or localized external corrosion.

Connection Techniques

The fittings or couplings used to make connections can be modified to suit the operator's maintenance requirements. Diameters less than or equal to 12 inches will normally be reconnected with a coupling designed for operating pressure and meeting connection needs. Larger dimensions will be reconnected with an EPDM end-seal, either installed inside the end of the host pipe or inside the liner installation prior to the assembled flange. Service connections are made via open-cut with a saddle coupling.

Technical Envelope

Operating Pressure	up to 230 psi
Diameter	6 to 36 inches
Pipe Materials	All types
Pipe Condition	Partially or fully deteriorated per ASTM F1216
pH	0.5 - 10.5
Operating Temperature	Up to 140°F. Higher temperature options available
Joint Deflection	Up to 10%
Diameter Variations	Up to 5%
Industry Standards	ASTM 2994, ASTM F1216, AWWA Class IV, NSF/ANSI 61 Certified, BNQ Approved



Certified to
NSF/ANSI 61