

Nova Containment Piping System for Hazardous Fluids

The Nova Containment Piping System, developed by the Nova Group, Inc. of Napa, California, is designed for both above and below ground transportation of hazardous fluids. The system consists of a carrier pipe covered with a fiber reinforced and corrugated centralizer. This is then encased with a direct filament wound fiberglass reinforced plastic using polyester, vinylester, epoxy and other resins depending on the hazardous liquid and fire rating desired. The diameter of the carrier pipe is unrestricted, and the corrugations of the centralizer form an annular space between the carrier pipe and the casing. The spaces between the corrugations allow for leak detection sensors which form a continuous leak detection system. The filament wound casing acts as the outer containment shell which makes the pipe resistant to corrosion and abuse, and the encased pipe functions as a single unit. Six inches of the carrier pipe is exposed at each end to facilitate field connections. The system can accommodate all fittings by the use of field kits that are supplied with the pipe. Field work is simplified by the use of these connection joints, and installation time is shortened. This piping system allows for quality control and simple testing to insure the integrity of the installation.

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