

\*\*HISTORICAL\*\*

# Piping, Flammable Liquid, Underground

[See General Information for Piping, Flammable Liquid, Underground](#)

MH9162

**NOV FIBER GLASS SYSTEMS**

17115 SAN PEDRO AVE STE 200  
SAN ANTONIO, TX 78232-2685 USA

2, 3, 4 and 6 in. diameter "Dualoy 3000/L" and "Dualoy 3000/L-A" nonmetallic primary carrier (PC), secondary containment (SC), normal vent (NV) and vapor recovery (VR) pipe and fittings for motor vehicle (MV) fuels, concentrated fuels (CT), high blend fuels (HB) and aviation & marine (A & M) fuels. 2, 3, 4 in. diameter "Dualoy 3000/LCX" and "Dualoy 3000/LCX-A" nonmetallic integral primary/secondary (PS), normal vent (NV) and vapor recovery (VR) pipe and fittings for motor vehicle (MV) fuels, concentrated fuels (CT), high blend fuels (HB) and aviation & marine (A & M) fuels. The pipe and fittings are designed to be joined in the field using adhesives "PSX-20" or "PSX-34". The adhesive and instructions describing the method of assembly are furnished by the manufacturer.

- 2, 3 and 4 in. diameter Red Thread IIA Primary Carrier (PC), Normal Vent (NV) and Vapor Recovery (VR) pipe and fittings and DS7000 and DS8000 Series Adhesives for motor vehicle (MV) fuels, concentrated fuels (CT), high blend fuels (HB) and aviation & marine (A & M) fuels. 3, 4 and 6 in. diameter Red Thread IIA Secondary Containment (SC), Normal Vent (NV) and Vapor Recovery (VR) pipe and fittings for motor vehicle (MV) fuels, concentrated fuels (CT), high blend fuels (HB) and aviation & marine (A & M) fuels.

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# Piping, Flammable Liquid, Underground

See General Information for Transfer Pipe, Containment Sumps and Pipe/Sump Accessories

## USE AND INSTALLATION

This category covers underground metallic and nonmetallic pipe and fittings (piping system) intended for use in the distribution and/or secondary containment of flammable liquids, and for the transmission of flammable vapors within fuel-dispensing systems.

These products are intended to be installed and used in accordance with the manufacturer's instructions, NFPA 30, "Flammable and Combustible Liquids Code," NFPA 30A, "Code for Motor Fuel Dispensing Facilities and Repair Garages," and applicable federal, state or local environmental regulations.

## PIPING SYSTEM TYPES

The types of underground metallic and nonmetallic piping system constructions as indicated in the individual certifications are defined as follows, with \$ prefix = "Underground Metallic" (or "UGM") and # suffix = "System," "Pipe" or "Fitting" as appropriate for metallic pipe, and \$ prefix = "Underground Nonmetallic" (or "UGN") and # suffix = "System," "Pipe" or "Fitting" as appropriate for nonmetallic pipe:

**\$ Primary Carrier # (or \$ PC #)** — Pipe and/or fittings intended for continuous contact with the flammable liquids in a system under normal use conditions.

**\$ Secondary Containment # (or \$ SC #)** — Pipe and/or fittings intended to contain flammable liquids in a system during abnormal use conditions (such as primary carrier pipe leaks and sump spills).

**\$ Integral Primary/Secondary # (or \$ PS #)** — A single pipe and/or fitting constructed at the manufacturer that combines both primary carrier and secondary containment with an interstitial space that can be monitored for leakage.

**\$ Normal Vent # (or \$ NV #)** — Pipe and/or fittings intended to transfer displaced air or fuel vapors from an underground tank to grade during filling and provide atmospheric pressure equalization.

**\$ Vapor Recovery # (or \$ VR #)** — Pipe and/or fittings intended to transfer collected air and fuel vapors in a pressure or vacuum system to an underground tank during dispensing.

## FUEL TYPES

The types of flammable liquid fuels for underground systems as indicated in the individual certifications are defined as follows:

**Motor Vehicle Fuels (or MV Fuels)** — Petroleum-based hydrocarbon fuels typically found in consumer dispensing stations, such as gasoline or diesel, including blended fuels with max 15% MTBE, 15% Methanol or 30% Ethanol (as identified in Table 15.1 of [UL 971](#), "Nonmetallic Underground Piping for Flammable Liquids").

**High-blend Fuels (or HB Fuels)** — Motor vehicle fuels with higher than normal gasoline blends with max 50% Methanol or 50% Ethanol (as identified in Table 15.1 of [UL 971](#)).

**Concentrated Fuels (or CT Fuels)** — Motor vehicle and alternate unblended fuels for up to 100% concentrations of Toluene, Methanol and Ethanol (as identified in Table 15.1 of [UL 971](#)).

**Aviation and Marine Fuels (or A&M Fuels)** — Motor vehicle and specialty aviation or marine-use fuels for up to 100% kerosene or leaded gasoline (as identified in Table 15.1 of [UL 971](#)).

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This piping is intended to be assembled and installed only by persons qualified by the manufacturer. This piping is intended for underground use only in soil that has not been exposed to flammable liquids or other contaminants.

## RATINGS, MARKINGS AND INSTRUCTIONS

### PRODUCT IDENTITY

One of the following product identities appears on the product:

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