

COMPOSITE HOSE

Goldstein-Schwartz, Inc composite hose products are designed and manufactured to meet the critical requirements of chemicals and fluid handling.



Goldstein-Schwartz, Inc composite hose products are engineered to deliver the maximum in chemical compatibility and on-the-job performance.

Multiple tight-wound component layers create a very long and complex course for fluids. Manufacturing process techniques assures the proper gauge and pitch of the inner and outer wires. The "labyrinth seal" is self-energized by the internal pressure of the liquids and the action of all material components together.

The result.... is a truly flexible composite hose that doesn't kink or collapse; that provides great hoop strength, exceptional service life and offers superior safety and performance.

All Goldstein-Schwartz, Inc composite hoses are built with many multiple wraps of both polar and non-polar thermoplastic films. The barrier layer in all our standard oil and chemical hoses prevents permeation by both polar fluids (like methanol) and non-polar liquids (like gasoline).

The result.... is a composite hose with structural and cover layers that do not deteriorate due to chemical attack; that maintains maximum strength, flexibility and durability and that are compatible with the widest range of chemicals.

Typically, most hose assemblies have full end-to-end electrical continuity with less than 10ohms resistance that is achieved by bonding both the inner and outer wires to the end fittings.

Assemblies are also available with specified electrical resistance, semi-conductive or with non-conductive properties.

The result.... is a composite hose that prevents sparking and arc-over hazards and meets the electrical properties requirement of industrial applications.

Each Goldstein-Schwartz, Inc end fitting is specifically designed and manufactured to produce a perfect union with the hose. The ferrule and tailpiece are permanently engaged by the external swaging or crimping process.

The result.... is hose and fittings that perform to rated burst pressure and assured of 100% performance of the complete hose assembly.

Real Advantages For Today's Applications Compared to rubber and metal hoses...

- Goldstein-Schwartz, Inc composite hoses are lightweight, kink proof and flexible for easier

- handling.
- Their multi-layer construction prevents catastrophic failures.
 - Flexibility is retained at low and even cryogenic temperatures
 - Goldstein-Schwartz, Inc hoses are fatigue free and do not age

Engineered and manufactured to High Standards

- Goldstein-Schwartz, Inc composite hoses meet and exceed various standards such as The British Standard BS5842 (1980) and The United States Coast Guard Regulations 33 CFR Section 154.500 and Section 154.810
- Heavy duty dock, barge and marine hoses are approved to The International Maritime Organization's BCH and ICH codes for hose handling dangerous chemicals in bulk.
- Hose is manufactured in an ISO 9001:2000 compliant manufacturing environment.
- Tight in-house process controls and checks provide a consistent and quality product.