

# CONNECTIONS

## From the President

### Spring Has Arrived, And Not Too Soon!



Jack Kacsur

Although this past winter wasn't too tough, it's good to see the snow has melted. Whether your business is gearing up for a busy time ahead, or it's business as usual, now is the time to take a good look at your equipment to make sure it is in good operating condition. Hoses do wear out, and unless you are on a regular preventative maintenance program, now would be a good time to look things over.

General Rubber Company can help. We offer a FREE hose inspection audit, performed with you on site. We will help evaluate the

condition of your hose applications and make recommendations based on our experience in applying and maintaining hydraulic and industrial hoses. An ounce of prevention – well, you know the rest!

Contact us at (414) 263-2770, or through our Web site, [www.generalrubber.com](http://www.generalrubber.com), and ask for the hose inspection audit. There's no obligation; however, we would love to sell you hose— if you need it!

Enjoy spring!

Jack Kacsur, President  
General Rubber Company

## Focus On HYDRAULIC HOSE ASSEMBLIES

In our last issue of *Connections*, we presented the origin and rationale for the Hose Assembly Guidelines. This issue will discuss one of the five specific hose categories: Hydraulic Hose Assemblies.

The Hydraulic Hose Assembly Specification Guidelines is NAHAD publication 700. This booklet contains information to assist you in specifying your assemblies in such areas as cleanliness, physical testing, safety considerations, identification, packaging, and others.

Since General Rubber Company is a NAHAD "listed" fabricator of hydraulic hose assemblies, our company has made a commitment to follow these guidelines whether our customers reference them or not. Within the guidelines are specific processes and procedures we follow, which are

quite similar to ISO documentation.

All General Rubber Company staff preparing hydraulic hose assemblies have completed and passed a NAHAD certification examination. You can be sure the hose assemblies you purchase from us have been fabricated in accordance with the most comprehensive set of specifications in the industry.

If you would like a copy of the Hydraulic Hose Assembly Specifications Guidelines, email us at [sales@generalrubber.com](mailto:sales@generalrubber.com).

You have nothing to lose, and everything to gain by using these guidelines to specify your hydraulic hose assembly requirements.



### THIS ISSUE

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The Flexaust Company, Inc.

General Rubber Co.

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# SUPPLIER UPDATE

## Eaton Adds Synflex Thermoplastic Hose To Its Line

For decades, Synflex® engineered products have been the leading high-performance thermoplastic hose and tubing in the marketplace. Last year, Eaton acquired Synflex, an excellent compliment to Eaton's existing portfolio of fluid conveyance products.



Thermoplastic hoses offer many attributes to make them preferred over standard rubber covered hoses, including UV resistant, cold temperature resistant, lightweight, flexible, multi-line bonding, long lengths, non-conductive, clean, and chemical resistant.

This type of hose and tubing is used in a variety of fluid conveyance applications for transportation, mobile off-highway, agriculture, beverage, oil and gas, material handling and



## Retail Store Celebrates One-Year Anniversary with Open House

### First Anniversary Open House

Tuesday, May 1, 2007

8:00 a.m. - 4:00 p.m.

2310 West College Avenue, Appleton

RSVP to (800) 227-5220

We're preparing to celebrate the first anniversary of our Eaton/Weatherhead Port to Port Hose Assembly Center in the Fox Valley. Join

us May 1, any time from 8:00 a.m. to 4:00 p.m. for an Open House, refreshments, information on the store, and a chance to tour the Dixon Mobile Tech Trailer.

The trailer provides hands-on opportunities for end users to learn more about the selection, installation, and maintenance of Dixon fittings and accessories.

The Appleton store is located at 2310 West College Avenue and is open Monday through Friday, 7:00 am to 4:00 pm. The telephone number is (920) 733-7223.

utility industries.

For hydraulic applications, thermoplastic hose is available in a variety of constructions, but common hose styles are SAE 100R7 (R7) and SAE 100R8 (R8). R7 is considered a medium pressure hose with pressures typically up to 3,000 psi, while R8 is a high-pressure hose with pressures up to 5,000 psi. Common sizes range from 1/8" to 1" I.D.

Eaton Synflex offers a multitude of thermoplastic products, including:

- **3130 Series** - Excellent market value in a SAE 100R7 construction
- **37AL Series** - Non-conductive SAE 100R7; meets ANSI A92.2 for vehicle mounted aerial devices
- **3580 Series** - Higher pressure SAE 100R7 for a variety of tough applications
- **3R80 Series** - Traditional SAE 100R8 with a nylon core tube for superior chemical resistance
- **3E80 Series** - Non-conductive high pressure SAE 100R8
- **30CT Series** - 3,000-psi constant-pressure construction unlike any other in the marketplace

## 30CT Series Introduced



30CT (Cold Temp) is a hytrel lined core tube and jacket design that offers flexibility and long life in extreme temperatures. 30CT is commonly used on forklifts and material

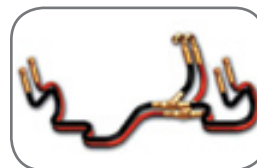
handling equipment since it is capable of handling low temperature or freezer applications. 30CT was also designed with a smaller O.D., which provides the ability to upgrade to a 3,000-psi hose while maintaining the existing pulley. Important characteristics include:

- SAE 100R18 – constant pressure
- 3,000-psi operating pressure – all sizes
- Sizes: -03 to -10
- 65°F to 200°F (-54 to 94°C)

## Synflex Formed Hose

Synflex is the pioneer of thermoplastic hose forming technology. Formed hoses offer a customized fit over the entire length of a chassis.

Formed hoses also eliminate leak paths by minimizing the need for bent tubes and union adapters, typically required for routing. And finally, the flexibility of Synflex formed hoses also makes installation quicker and easier, saving both time and money.



For more information on the Synflex line or any products offered by Eaton, please contact us at sales@generalrubber.com or call us at (414) 263-2770 or toll free at (800) 227-5220 for more information.

# SUPPLIER'S SPOTLIGHT



## NewAge® Industries Introduces New Products

NewAge Industries, Inc. recently announced these new hose and hose assembly products, which are available now through General Rubber Company. Please contact us at sales@generalrubber.com or call us at (414) 263-2770 or toll free at (800) 227-5220 for more information.

### Tube and Hose Assemblies



Tube and hose assemblies made to exact specifications address each individual application's requirements and can result in less waste, labor, and cost than stocked tubing and hose. Customization includes hose assemblies,

thermal tube bonding, special compounding and colors, coiling, heat-formed parts, adjusted wall dimensions, overbraiding and jacketing, printing, cut-to-length pieces, slitting, hole-punching, and packaging. Hose assemblies come in stainless steel overbraided PTFE, reinforced PVC and silicone and polyurethane with a variety of fittings, including sanitary styles, attached by clamps or crimped-on collars for permanency. Thermal tube bonding or heat-formed shapes can address the issue of space restrictions. Custom compounding permits the fine-tuning of plastics to meet special performance requirements. Overbraiding and jacketing protect tubing and hose from abrasion, heat, kinking, or chemical attack.

### Vardex Hose



Vardex hose is both kink- and crush-resistant for pressure and vacuum applications. Made of clear PVC with steel wire reinforcement, Vardex is suitable for either fluid or air transfer. Vardex combines the desirable properties of PVC

– resistance to corrosion and abrasion, clarity, rubber-like flexibility, and outstanding flow characteristics – with the strength of steel. Vardex eliminates the need for extra attachments involving fittings, clamps, separate pieces of hose, and the labor to assemble and install them. The spiral steel supporting wire is completely encased within the tubing and never contacts the inside or outside of the hose. Compared to similarly sized rubber hose, Vardex is much lighter in weight. It is available from stock in nine sizes ranging from ¼" to 2" I.D.

### PTFE, FEP, And PFA Tubing

PTFE, FEP, and PFA tubing is available in six styles – straight, thin wall, coiled, corrugated, convoluted, or overbraided – for a variety of demands. This fluoropolymer tubing is best known for its heat and chemical resistance and for its non-stick properties. Straight PTFE, FEP works well in applications such as fluid transfer and sampling. Thin wall PTFE tubing, offered in American Wire Gauge and inch sizes, meets wire, insulation, and protective covering needs. For applications like robotics, paint spray, and dispensing systems, coiled FEP tubing is frequently used. Corrugated FEP tubing may be extended or compressed without impacting the tubing's inner dimensions. For flexibility and easy flush cleaning, convoluted PTFE is available. Stainless steel overbraiding for PTFE tubing protects the core, reduces kinking, and provides working pressures as high as 3000 psi.



### Thermobarb FDA PP Barbed Fittings

A new style of barbed connectors, molded with an improved design, offers versatile fittings for the laboratory, food and beverage, pharmaceutical and biopharmaceutical, bioprocess, chemical, purified water, medical component, environmental, and appliance industries, as well as other applications that call for lightweight, inert fittings. Thermobarb FDA PP offers several benefits over look-alike connectors. These advantages include the elimination of mold parting lines and flashing; a longer, more tapered lead barb for easier installation, a tighter fit, and reduced leakage; smooth surfaces throughout for unrestricted, uniform flow; and sterilization by gamma radiation or autoclave. Thermobarb FDA PP fittings work well with soft, flexible tubing such as silicone or thermoplastic rubber and are ideal connectors for single-use/disposable tubing assemblies in, for example, sampling and fill applications.



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# PRODUCT UPDATE

We are pleased to offer you information from our suppliers on innovations, updates, and changes in their businesses. If you would like additional information on the products mentioned in this column, contact us at sales@generalrubber.com or call us at (414) 263-2770 or toll free at (800) 227-5220.

**Gates Corporation** has introduced a new, lighter weight version of its premium Cellar Master® wine handling hose. The new Cellar Master Light hose is easier to handle, highly flexible and extremely durable, plus crush and kink resistant. These new features reduce the difficulties of transporting, positioning, and storing transfer hoses used in the winemaking process. All Gates Cellar Master Light and Cellar Master premium hoses have a proprietary Sanitron™, white-colored tube that lets wines and other water-based food products flow smoothly without altering the color and taste. Cellar Master Light has an easy-to-identify, EPDM, gray colored cover with a distinctive maroon spiral stripe that resists abrasion and marking. Operating temperature range is -40°F to +212°F (-40°C to +100°C) continuous service. Both hoses meet FDA sanitary requirements, 3A Class 3, and USDA. Cellar Master Light is available in five I.D. sizes,

from 1-1/2" to 4" ID, and is packaged in 100-ft. coiled lengths.

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**HBD/Thermoid, Inc.** announced its new V-Belt product line, Thermoid® SELECT™, HBD/Thermoid, Inc. manufactures a wide variety of industrial rubber products including industrial V-belt, timing belt and replacement belt product lines. The company is a subsidiary of HBD Industries, Inc., one of the largest industrial product suppliers in the U.S. The competitively priced V-belt line includes four different styles of the most popular belts including: Classical, Classical Cogged, Wedge, and Wedge Cogged.

...

A new, all purpose fabric reinforced thermoplastic rubber hose for handling corrosive fumes at high temperatures, dust, and debris is being introduced by **The Flexaust Company, Inc.** of Warsaw, Indiana. Flexaust® Flexadux® T-7SR Fabric Reinforced TPR Hose is made from a thermoplastic, rubber coated super reinforced nonwoven polyester, with a spring steel wire helix, and provides up to a 20% better flow than traditional hoses. Suitable for positive pressure applications up to 50 psi, depending upon the size and application, this general-purpose hose is ideal for fume removal at temperatures up to 280°F, continuous dust collection, fume extraction, leaf and debris pickup, heating and cooling, and lightweight material handling.

Details inside.

Join us at the Appleton  
store for a First Anniversary  
Open House, May 1  
8:00 a.m. to 4:00 p.m.

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Milwaukee, WI 53212



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