

BUILT-IN BACKUP

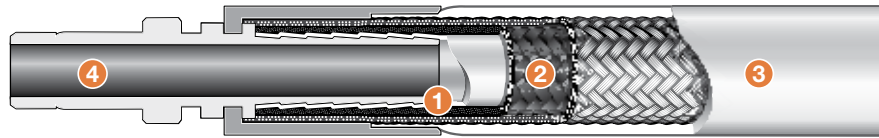


This hidden part of an industrial hose design can often make all the difference for peak component performance and service life and overall fluid-system safety, reliability, and efficiency.

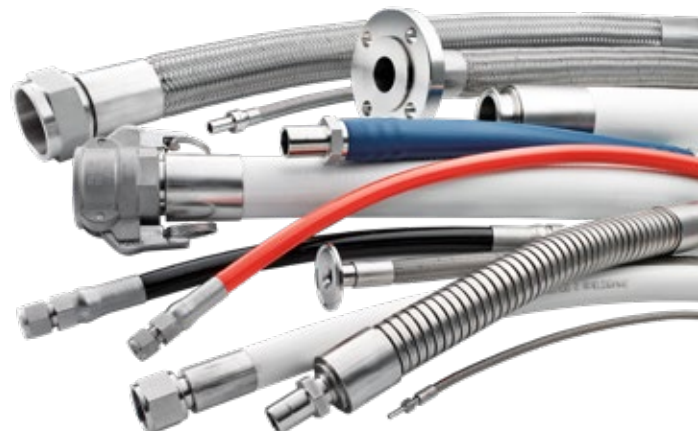
The core. The cover. The end connections. All critical considerations when deciding which hose to select for a particular application...once, of course, you know your media pressure, media and environmental temperatures, flow rates, and other key operating factors.

But, just as importantly, there's also the **reinforcement layer** – which strengthens the core tube axially and longitudinally to ensure that your hose can withstand increased pressures. In addition, such reinforcement delivers kink and crush resistance, electrical continuity, hoop and torsion strength, volumetric expansion control, flexibility, and force to bend.

However, like hoses in general, not all hose reinforcements are of the same quality and composition. Swagelok offers and recommends braided reinforcement styles that employ wires or fibers in a strong, resilient configuration that will not untwist when your hose is pressurized, resulting in far superior longevity versus coiled models.



1. Core tube material and construction
- 2. Reinforcement layers**
3. Covers
4. End Connections



The WHY Flexible hose means fewer connections and less leakage. Result: a safer and far more efficient fluid system – with reduced inventory and labor costs, virtually no media entrapment or pressure drop, and easy cleaning, when required.

The WHEN Flexible hose is ideal in applications providing a flexible connection between stationary and moving equipment, when a connection is temporary or there are frequent disconnects, and to isolate from high-vibration machinery.



MEET YOUR CERTIFIED SWAGELOK HOSE ADVISORS



Gary Osman
*Field Services
Engineer*



Mike Gagel
*Strategic Support
Services Specialist*

During their survey, **Gary and Mike** will look for, evaluate, and report:

- Broken Wires
- Abrasion
- Corrosion
- Ovality
- Stiffness/Hardness
- Color Changes
- Cover Blisters
- Leakage
- Motion
- Improper Sizing
- Damaged Reinforcements
- Correct Type for Application
- Operating Conditions: Pressure, Temperature, Flow...
- Environmental Factors: Temperature, Humidity...
- Kinks/Flat Spots
- Cleaning and Storage Practices
-and so much more!



Swagelok Hose Essentials Technical Training

- Learn how to select, size, store, maintain, and route industrial hose for optimum performance and service life.
- Learn exactly why/when/how Hose should be used and how to achieve maximum service life.
- Half-day; available at your location or at our Pittsburgh Training Center.

For more information, contact:

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