

MAXIMIZING
Worker and Site Safety**MINIMIZING**
Fugitive Emissions**MASTERING**
Application Challenges

Presenting Your Local Swagelok® Hose Pros

(part 2)

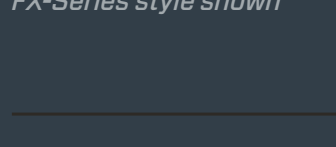
We don't just supply the fluid-system industry's premium quality, ultra-reliable Industrial Hoses, we also provide expert and trusted advice around:

1 Core Tube Material and Construction

Critical background considerations:

- Which materials are chemically compatible with your system media?
- Will the core corrode or deteriorate over time?
- Can the core tolerate the media's temperatures?
- Will the material prevent or limit permeation and absorption?
- Will the material withstand the solvents and cleaning agents in your cleaning process?
- Is a static charge involved?

Once you have those answers, you can safely and confidently proceed to Core Type selection:



FX-Series style shown

All-Metal: -40°F to 850°F

- For vacuum applications and medium-pressure corrosive environments or where permeation is undesirable
- Not compatible with highly caustic or acidic system media
- Not ideal for repetitive movement operations



PB Series style shown

Rubber: -40°F to 200°F

- For flexible applications
- Economical, general purpose, highly durable
- Commonly used on air lines
- For low-pressure use only



7P Series style shown

Thermoplastic/Nylon: -40°F to 200°F

- For high-pressure, low-temperature work
- Economical, general purpose
- Best for hydraulic applications



T Series PTFE style shown

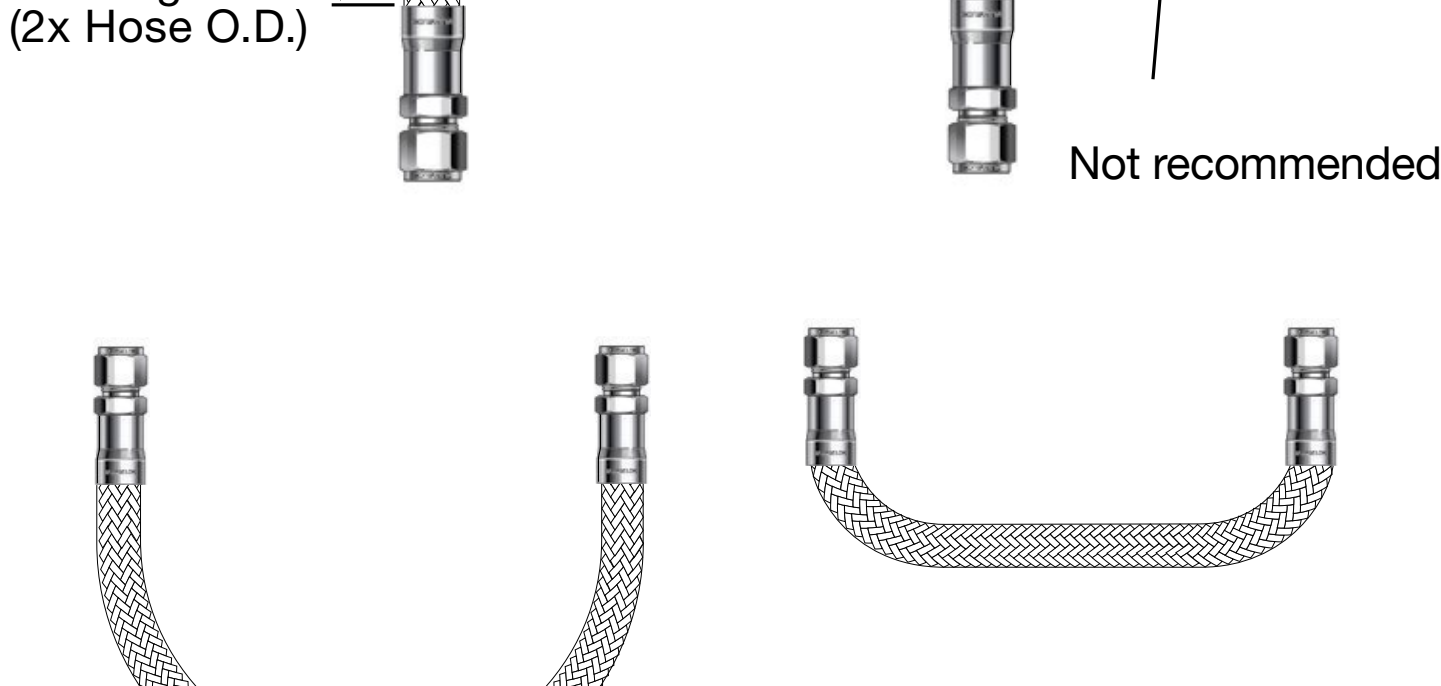
Fluoropolymer: -65°F to 450°F

- For inert and flexible applications
- Commonly used where core must be non-absorptive
- Gas permeable
- Non-aging, non-stick, easily cleaned

2 Reinforcement Layers

Critical force-related considerations:

- Would the hose's stiffness prevent an operator from bending or installing it?
- Could a machine be slowed down or broken during operation?
- Proper choice of such layer improves hose performance involving pressure containment, hoop strength, kink resistance, electrical continuity, torsion strength, volumetric expansion control, flexibility, and required bend force



Recommended

Not recommended

3 Covers

For ultimate hose protection, always strive to achieve the smallest diameter with minimal decrease in flexibility.

SIX SAFE, COST-EFFECTIVE OPTIONS:



Fire Jacket:

Provides insulation from internal system temperature extremes.

Spring Guard:

Protects against kinking and abrasion; highly flexible.



Thermosleeve:

Protects from weld spatter and resists UV light effects.

Spiral Guard:

Protects against abrasion; highly flexible.



Armor Guard:

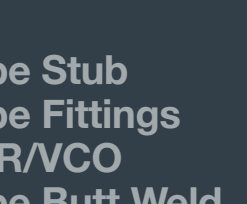
Protects against kinking and abrasion; highly flexible.

Thermal Wrap:

Delivers superior insulation.

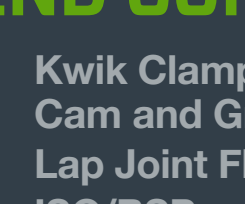
Also, think about:

TAGS



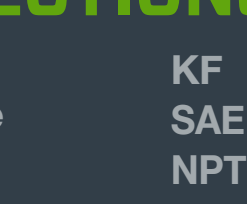
Lanyard

Attaches with a stainless steel lanyard and aluminum clamp.



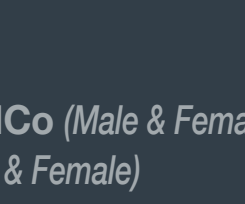
Clamp

Attaches with two metal bands.



Mat

Attaches via an adhesive.



Perma

Attaches via an adhesive.

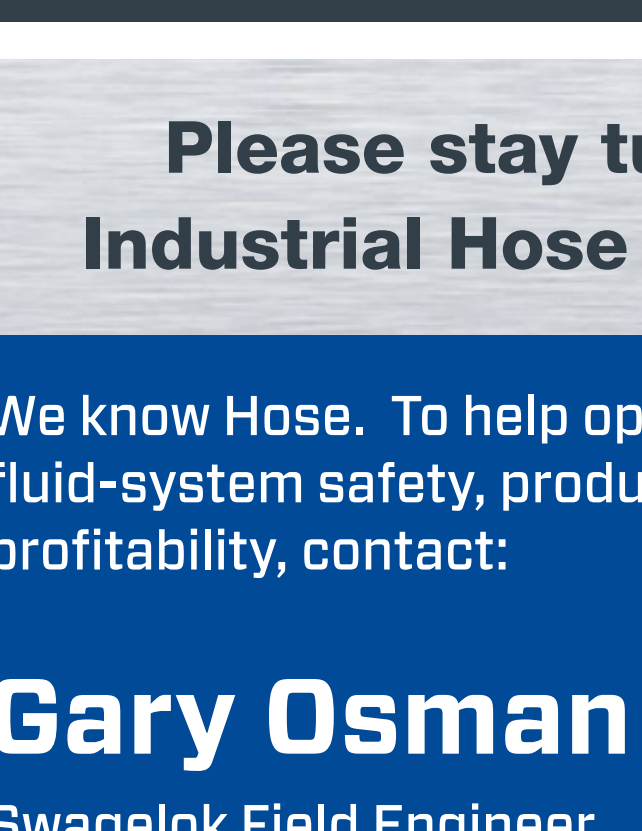
11 END CONNECTIONS

Tube Stub
Tube Fittings
VCR/VCO
Tube Butt Weld

Kwik Clamps
Cam and Groove
Lap Joint Flange
ISO/BSP

KF
SAE 37 JICo (Male & Female)
NPT (Male & Female)

Swagelok Hose Essentials Technical Training



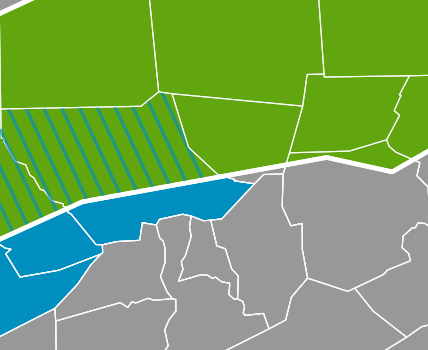
- Graduate with a complete understanding of critical Hose terminology, selection variables, and industry-best inspection and preventative maintenance processes.
- Learn exactly why/when/how Hose should be used and how to achieve maximum service life.
- Determine how to optimally apply our STAMPED acronym to your everyday Hose employment.
- Half-day; available at your location or at our Pittsburgh Training Center.

Please stay tuned for our next Industrial Hose installment in May!

We know Hose. To help optimize your fluid-system safety, productivity, and profitability, contact:

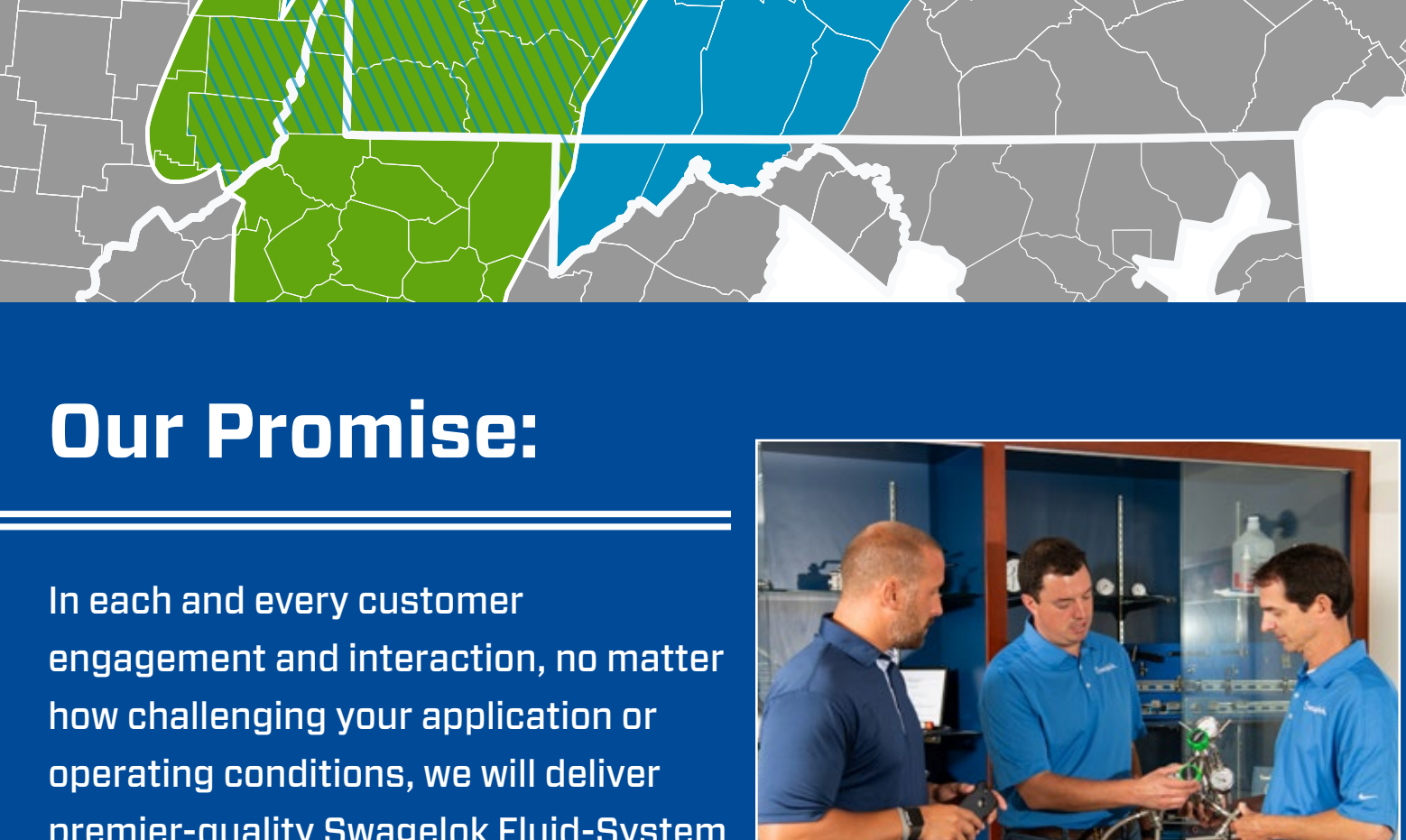
Gary Osman

Swagelok Field Engineer



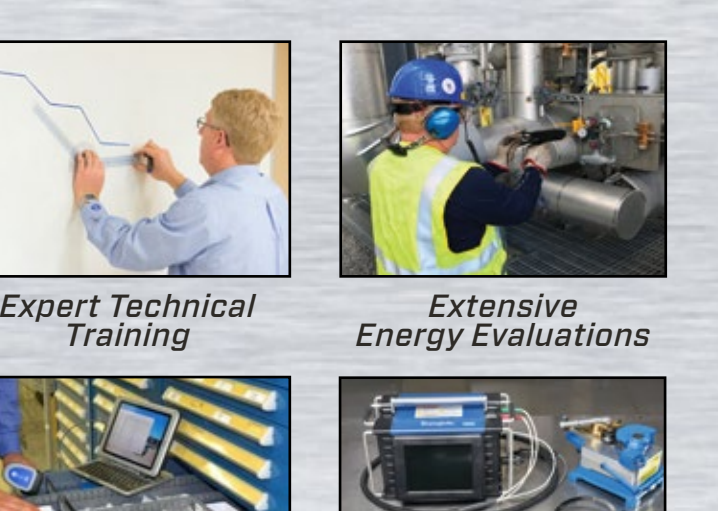
gary.osman@swagelok.com

412.761.3212



Our Promise:

In each and every customer engagement and interaction, no matter how challenging your application or operating conditions, we will deliver premier-quality Swagelok Fluid-System Product Solutions and value-added Strategic Services that will positively impact your Bottom Line.



WE'RE YOUR SWAGELOK FLUID-SYSTEM SOLUTIONS PROVIDER



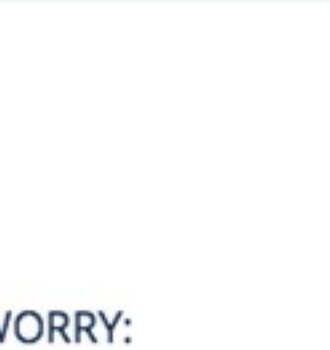
Industry-Best Componentry



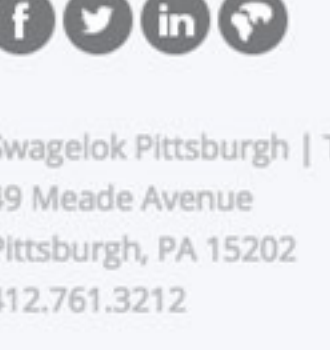
Masterful Custom Fabrication



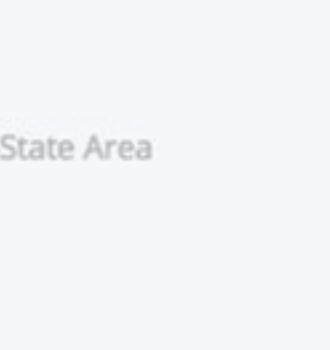
Expert Technical Training



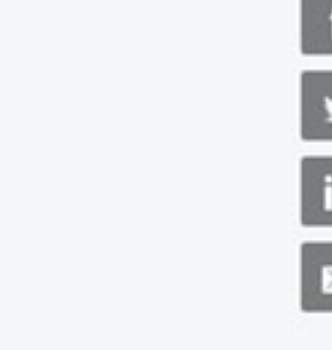
Extensive Energy Evaluations



Unparalleled Application Knowledge



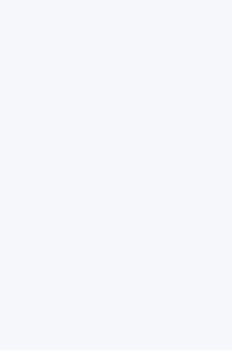
Comprehensive Hose Advisories



Proven Inventory Management Support



Genuine Swagelok Tool Rentals



WE CAN HELP YOU SAVE TIME, MONEY, AND WORRY:

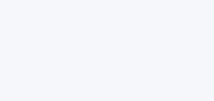
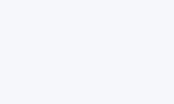
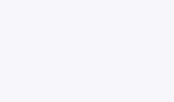
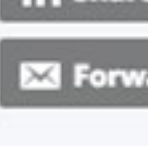


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