

Your Local **Swagelok** Resource for Proven Chemical/Petrochemical/Refining Productivity and Profitability

Swagelok® Engineered Combinations:

Specially Designed
and Built for
Corrosive Environments

In even the most corrosion-plagued areas and applications within a Chemical plant or Refinery, Swagelok mixed-material solutions deliver cost-effective, top-quality, and reliable performance to keep you safe, productive, and profitable. It's what we're made of that makes all the difference...

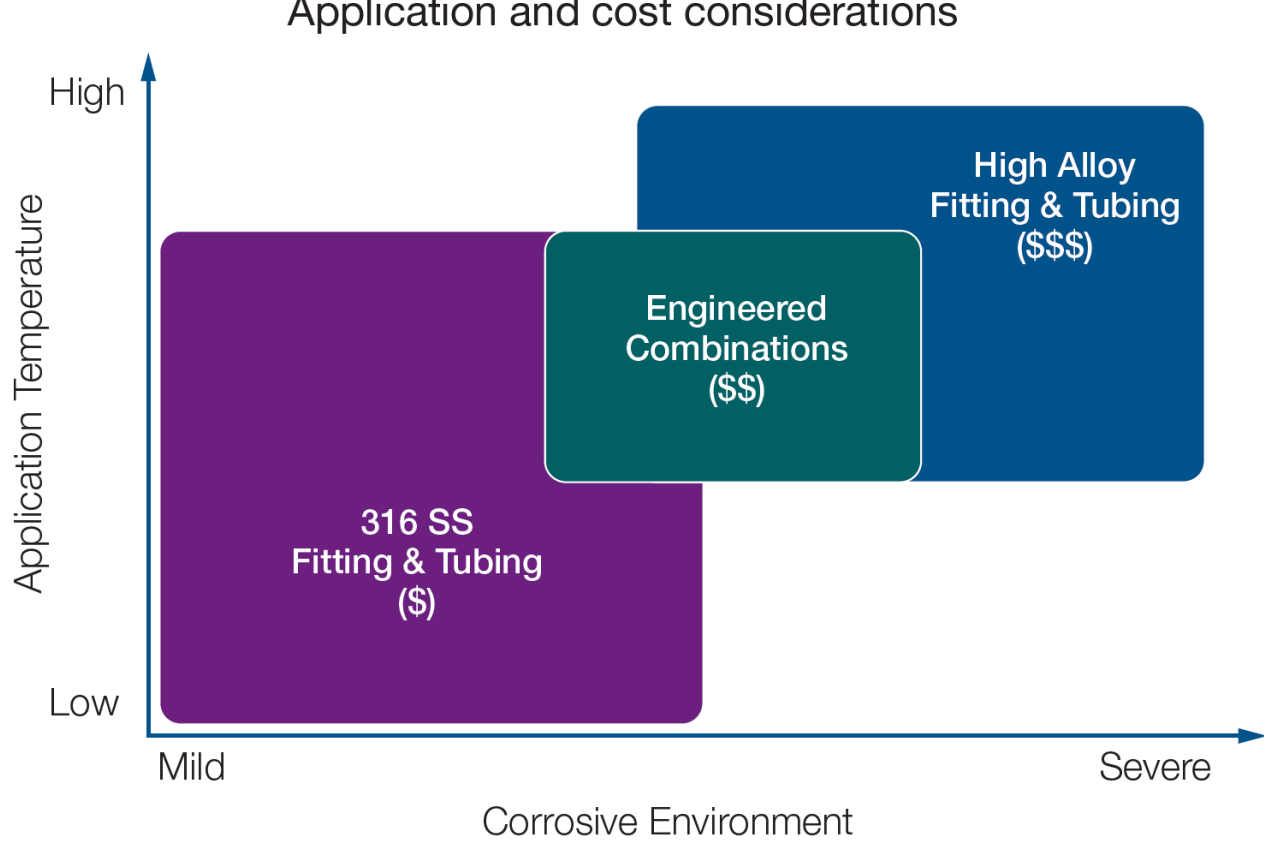
HOW?

Fact: Because of how they're made – and with what they're made – **you can use Swagelok stainless steel tube fittings with special alloy tubing...** in even the most challenging applications. That results in substantial and unmatched labor, inventory, and overall operational savings.

1

Fitting and Tubing Alloy Selection

Application and cost considerations



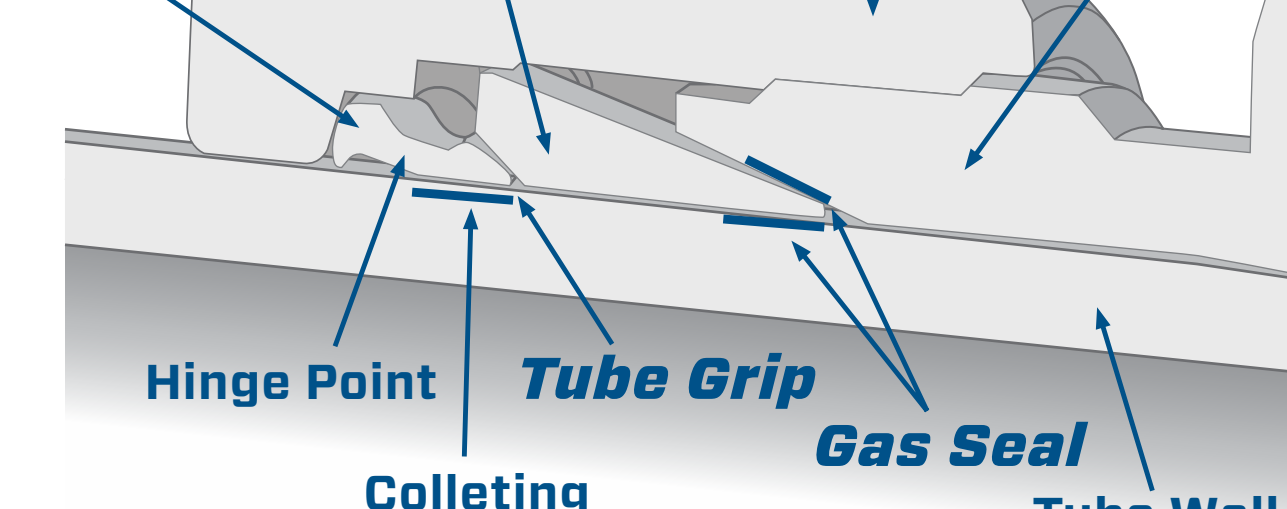
2

The 316/316L stainless steel in Swagelok tube fittings and instrumentation valves contains **17% Chromium** and **12% Nickel**, both values exceeding the respective 16% and 10% ASTM minimums that are prevalent in most fluid-system components. That means significantly more corrosion resistance inherent in the Swagelok brand.

ASTM
requires
16-18%ASTM
requires
10-14%

3

Our unique, patented hinging-colleting™ back ferrule design ensures **superior tube grip** – with a low assembly torque requirement.



Swagelok's patented SAT12® low-temperature carburization process hardens the surface of our back ferrules – **resulting in exceptional tube grip on 254, 904L, 825, and Tungum® special alloy tubing.** Risk of pitting, crevice corrosion, and/or galvanic corrosion is greatly minimized as well.

We can help you win the war on corrosion.

Contact Bob Sarber

Chem & Refining Specialist

Bob, also a Swagelok Sales Engineer, is your trusted go-to for product selection and application expertise as you combat corrosion and other operational challenges.

robert.sarber@swagelok.com

412.439.1713

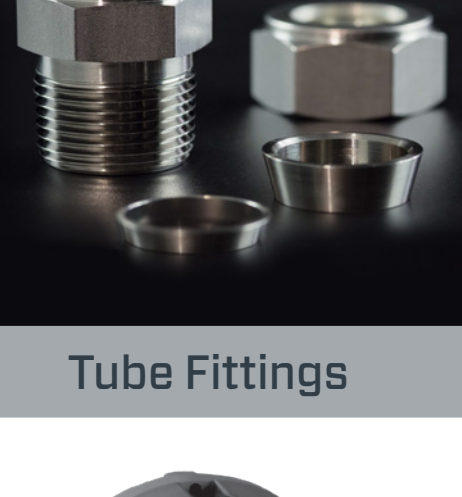
No matter where or when you need us,
we're right **THERE** for you!

Our Promise:

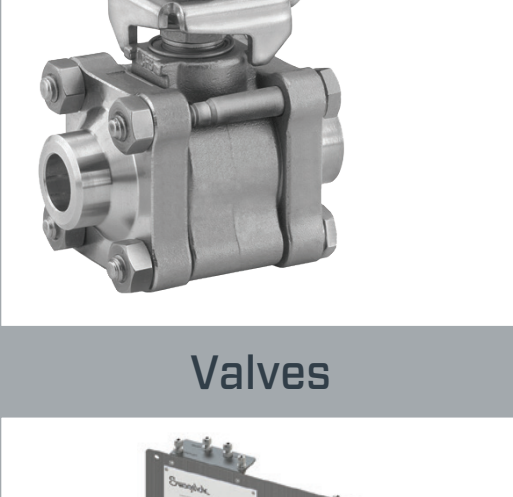
In each and every customer engagement and interaction, no matter how challenging your application or operating conditions, we will deliver premier-quality Swagelok Fluid-System Product Solutions and value-added Strategic Services that will positively impact your Bottom Line.

**Gary Osman**

Certified Swagelok Field Engineer



Tube Fittings



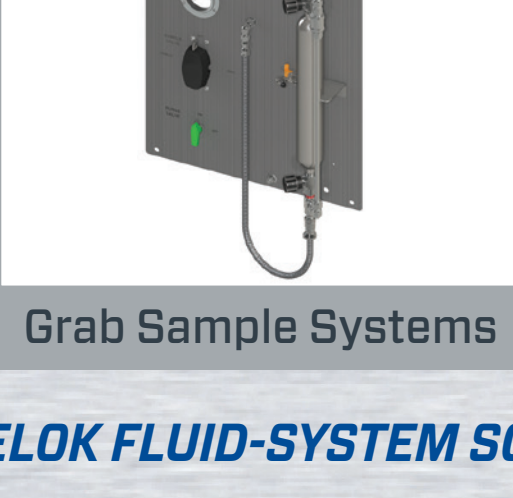
Valves



Hoses



Gauges

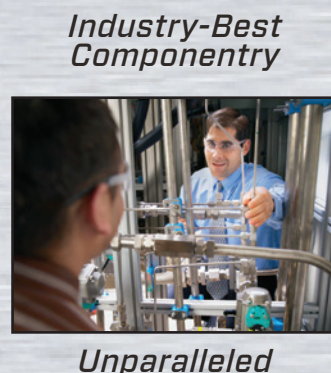


Grab Sample Systems



Seal Support Systems

WE'RE YOUR SWAGELOK FLUID-SYSTEM SOLUTIONS PROVIDER



Industry-Best Componentry



Masterful Custom Fabrication



Expert Technical Training



Extensive Energy Evaluations



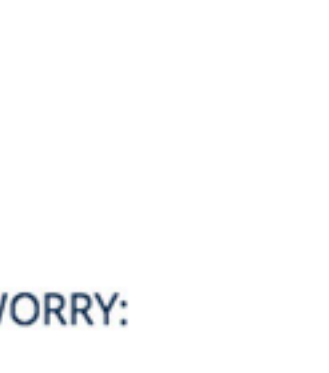
Unparalleled Application Knowledge



Comprehensive Hose Advisories



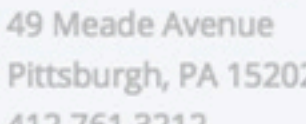
Proven Inventory Management Support



Genuine Swagelok Tool Rentals



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



Swagelok Pittsburgh | Tri-State Area

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Pittsburgh, PA 15202
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