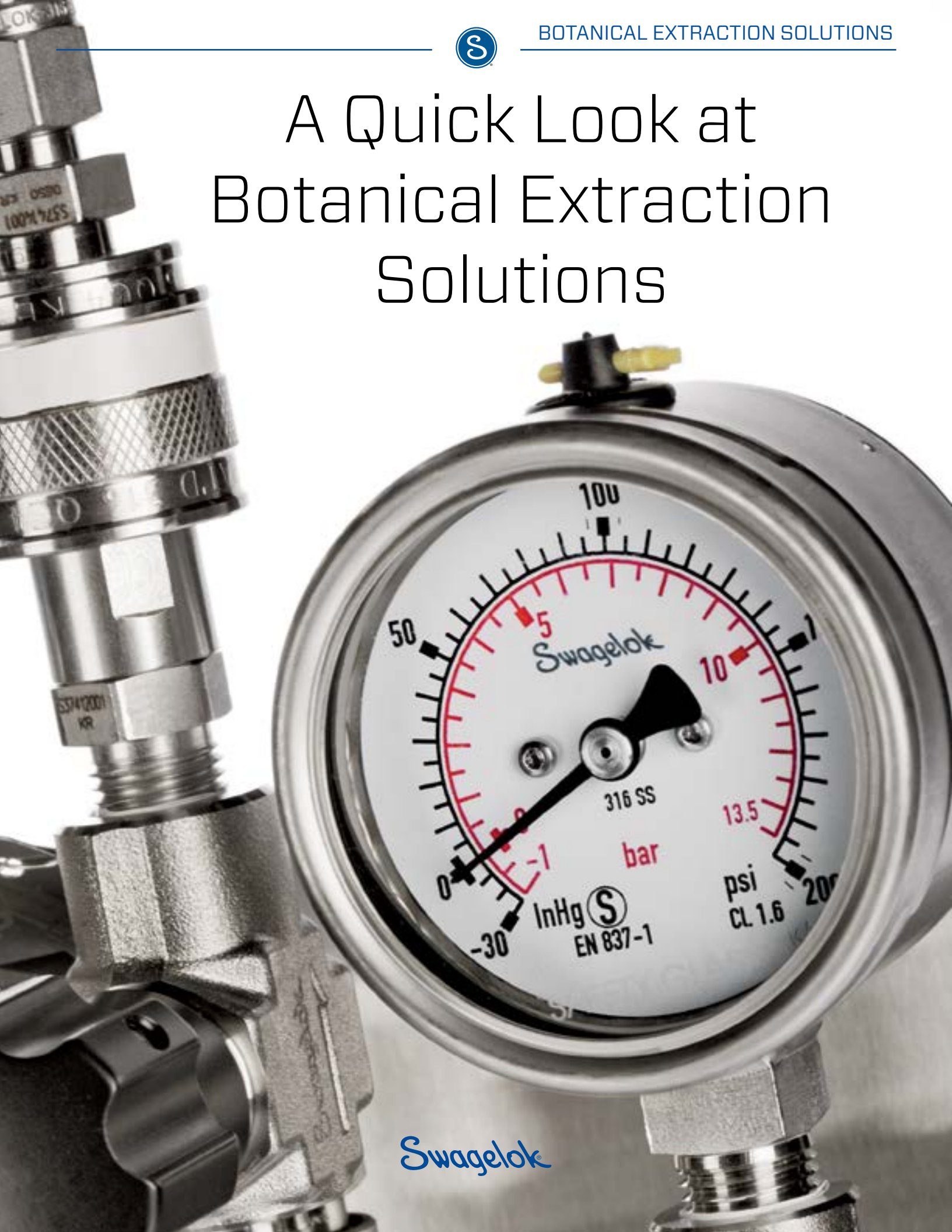




# A Quick Look at Botanical Extraction Solutions





## Swagelok Calgary | Vancouver | Red Deer | Medicine Hat | Prince George

For over 50 years, Swagelok Calgary | Vancouver | Red Deer | Medicine Hat | Prince George have been the authorized sales and service centres for Southern Alberta, and British Columbia – West of the Rockies. We offer a broad line of high quality Swagelok® products and support a wide array of services tailored to the individual needs of our customers. We carry substantial inventories that are supported by Swagelok Company's regional distribution centers and world-class supply chain.

Swagelok's expanding portfolio of products, assemblies, and services helps you solve your fluid system problems in the Botanical Extraction industry. We understand the various extraction methods – solvent, steam distillation and supercritical CO<sup>2</sup> extraction – and can support your fluid system needs from product selection and application support, to training and system evaluation services, and even custom assemblies.

We are dedicated to understanding your challenges and committed to easing the pressure of building reliable fluid systems.







## Tube Fittings

- Available in tube sizes 1/16 to 2 inch and 2 to 50 mm
- Consistent gaugeability upon installation
- Easy to disassemble and reassemble
- Wide variety of materials and configurations

Excellent gas-tight sealing and tube-gripping action, easily achieved proper installation, consistent reassembly and excellent vibration fatigue resistance and tube support.



## Instrumentation Valves

- Variety of end connections including integral Swagelok tube fittings
- Broad operating temperature range
- Large selection of sizes and materials
- Minimal dead volume and entrapment zones

**Types:** Ball, Needle, Check, Relief, Plug, Metering, Toggle, Manifold, Bleed and Purge



## Hose and Flexible Tubing

- Standard and custom lengths and end connection combinations available
- Wide variety of types and materials
- Broad operating pressure and temperature range
- Available in hose and tubing sizes 1/8 to 2 inch and 3 to 50 mm; range of fractional and metric end connections

**Types:** Metal, PTFE, PFA, Vinyl, Nylon, Polyethylene, and Rubber Core Materials: General-Purpose, High-Purity, and Vacuum Hose and Flexible Tubing



## Pressure Regulators

- Instrumentation-grade and ultrahigh-purity models
- Unique design features such as metal-to-metal seal to atmosphere
- Spring-, dome-, and air loading
- Self-vent and captured-vent options

**Types:** Diaphragm Sensing, Piston Sensing, Pressure Reducing, Back Pressure, Vaporizing, Ultrahigh-Purity, Tank Blanketing, Modular

High-quality products, reliable supply chain, customer service excellence and custom fabrication and assembly

Your total solution provider





## Custom Solutions

Unique challenges require the right solutions. You need a solution uniquely tailored to your needs, and you need it now. You could spend your resources on designing, sourcing, building and testing a solution. Or, you could take advantage of Swagelok's expertise as an integrated supplier of more than just products. Sometimes, you might only need us to build a small piece of your project. Other times, it might make more sense to outsource the entire job. We approach the process with flexibility and precision – from initial concept to a plug and play solution – Swagelok is with you every step of the way. Better yet, all Swagelok products and services, including assemblies, are backed by the Swagelok Limited Lifetime Warranty.



## Measurement Devices

- Vertical flow sensors
- Pressure Gauges
- Thermometers and Thermowells
- Pressure Transducers
- Variable Area Flowmeters

**Gauge Types:** Clean, Dry Air, Process, Sanitary, Panel-Builder, Ultrahigh-Purity

**Transducer Types:** Industrial, Explosion-Proof, Intrinsically Safe



## Product Selection & Guidance

There are hundreds of choices to make when ordering fluid system components – and the right product can make the difference between a reliable and unreliable system. Further, the wrong component can lead to unplanned downtime and lost revenue.

Our product experts are here to help you make the right choices for your systems and applications. We can help you work through issues concerning pressure, temperature,  $C_v$ , material compatibility, different types of valves or actuation, assembly, and many others. We can also provide expert consultation on corrosion, leakage, safety concerns, and process and system accuracy and design, as well as a host of evaluation and advisory services.



## Sample Cylinders & Quick Connects

- Sample Cylinder sizes from 10 to 3785 cm<sup>3</sup> (1 gal) 304L, 316, 316L, and Alloy 400 material
- Working pressures up to 5000 psig (344 bar)
- Quick Connects designed to minimize spillage and air inclusion
- Push-to-connect design enables quick, simple operation. No twisting, turning, or wrenching.
- Wide variety of configurations, end connections, and stem and body connectors





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