

Product Information

Inlet Seals for Agilent Technologies GCs



P000752

Capillary inlets on Agilent Technologies™ GC's incorporate a metal seal at the base of the inlet. This metal-to-metal seal is critical to set and maintain carrier flow, split ratio, as well as preventing permeation of oxygen or other contamination into the system.

GC operators must change inlet seals frequently because of the accumulation of sample debris and/or septa fragments

on the seals. As debris accumulate, sample adsorption occurs resulting in poor chromatography.

Supelco replacement inlet seals offer several advantages over other brands of seals.

Lower cost!

Supelco replacement inlet seals cost about 20% less than the leading original equipment inlet seals for Agilent Technologies GCs.

Spacer washers included!

Supelco replacement inlet seals include stainless steel spacer washers. These washers must be ordered separately with other brand seals.

Easier to seal!

Supelco replacement inlet seals are manufactured from a special grade of stainless steel using a proprietary process. This yields a softer seal requiring less pressure to create a seal making Supelco replacement inlet seals easier to install. This improves chances of a good seal yielding longer column life and reduced noise for lower detection levels. Because inlet seals deform during heating, Supelco recommends inlet seals be discarded following first use.

Features

Individually machined and inspected!

Supelco replacement inlet seals are individually machined and inspected for uniformity. This guarantees the same high quality and dimensions every time. Inlet seal-to-inlet seal variation is eliminated and every seal seals, always.

No brighteners!

To insure the most inert inlet possible, Supelco recommends the gold plated replacement inlet seals. Some manufacturers add brighteners to the gold plating process to increase surface sheen. Brighteners are not used in Supelco replacement inlet seals so the sample sees only pure gold.

Available in Gold Plated and Unplated Finishes

Gold plated — Manufactured using Supelco's special grade stainless steel and proprietary process. Electroplated with a 40-60µm thickness of pure (24K) gold without brighteners. These seals are highly inert and ideal for trace level analysis of active compounds.

Unplated — A lower cost seal suitable for analysis of non-reactive compounds. Manufactured using Supelco's special grade stainless steel and proprietary process.

Specifications

Dimensions of both gold plated and unplated replacement inlet seals

Diameter: 0.375" +/- 0.005"

Thickness: 0.138" +/- 0.005"

Hole: 0.032" (8mm) +0.005"/-0.001"

Temperature: Maximum temperature exceeds inlet temperature limit of the Agilent Technologies GC's

Ordering Information:

Description	Cat. No.
Gold Plated Replacement Inlet Seals* Recommended for trace level analysis	
Gold Plated Seals, Pk. of 2	23318-U
Gold Plated Seals, Pk. of 10	23319-U

Unplated Replacement Inlet Seals*

A lower cost alternative to gold plated, suited for general hydrocarbon analysis or where active compounds are not present.

Unplated SS Seals, Pk. of 2	23316-U
Unplated SS Seals, Pk. of 10	23317-U

*Spacer Washers Included

SS Inlet Seal for Agilent GC

Pack contains 100 seals and 50 washers	23363-U
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