

Septum Nut

Septum nut provides consistent septum tightness, fewer bent needles, and easy leak detection. The nut contains a needle guide, ensuring that the needle consistently penetrates the septum in the same place, prolonging septum life. The guide also prevents the needle from striking the edge of the column or bending during insertion.



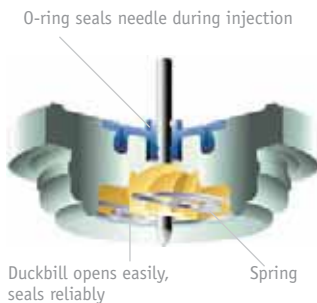
Septum Nuts for Varian GCs

- Ensure a leak-tight injection port, increase septum lifetime, and decrease maintenance requirements.
- Needle guide allows easy penetration and prevents septum coring.
- Manual injection septum nut allows use of 23-gauge needles for on-column injections.
- Made of high-quality stainless steel.

Ordering Information

Description	QTY	Varian No.	Part No.
Septum Nut for Varian			
Septum Nut (for 23-Gauge Needles)	1	03-949666-01	063B-0011

Merlin Microseal™ Kit



The Merlin Microseal™ Septum is a long-life replacement for the standard septum on the Capillary Inlet System or the Purged-Packed Inlet System of Varian GC (not useable with the non-purged packed column inlet system). The Merlin Microseal™ is a patented dual-seal inlet assembly featuring an O-ring and “duckbill” seal. Because the syringe needle does not pierce any septum material, seal lifetime is typically greater than one year with normal GC use. Complete Kit includes the nut, two Microseal™ septa, and a PTFE liner.

The Varian kit adapts Varian Model 1078 and 1079 inlets system with SPME injectors for use with a Merlin Microseal™ Septum replacing conventional septum. It is much more abrasion resistant than conventional septum and will not shed particles into the injector port liner during use. This virtually eliminates the contamination of the inlet with septum particles, which produce septum bleed, and “ghost peaks” and may adsorb sensitive sample components.

Microseal™ Septa has a lifetime of more than 2,000 injections depending on samples and operating condition. The Microseal™ Septum last longest when a syringe needle with a truncated cone shaped tip is used. It may also be used with the standard 0.63mm diameter (0.026”, 23-gauge) needle. A sharp pointed or beveled syringe needle should not be used as it will cut or pierce the duckbill seal. Pressure ranges from 0 to 100 psi and injection port temperature up to 325 °C. Easy installation on Varian GCs.



Ordering Information

Description	QTY	Varian No.	Part No.
Microseal Septa Kit, Varian 1078/1079			
Standard kit (nut and 1 septum)	1		063B-0021
Replacement septum	1		063B-0031
Microseal Septa Kit, Varian 1177			
Standard kit (nut and 1 septum)	1		063B-0041
Replacement septum	1		063B-0031