



MicroSeal™ Kits for Gas Chromatography

Complexity Made Simple

The Merlin MicroSeal is a long-life replacement for traditional rubber disc septa. Two sealing mechanisms work to seal the injection port during sample injection and analysis.

Extend Lifetime and Reduce Bleed.

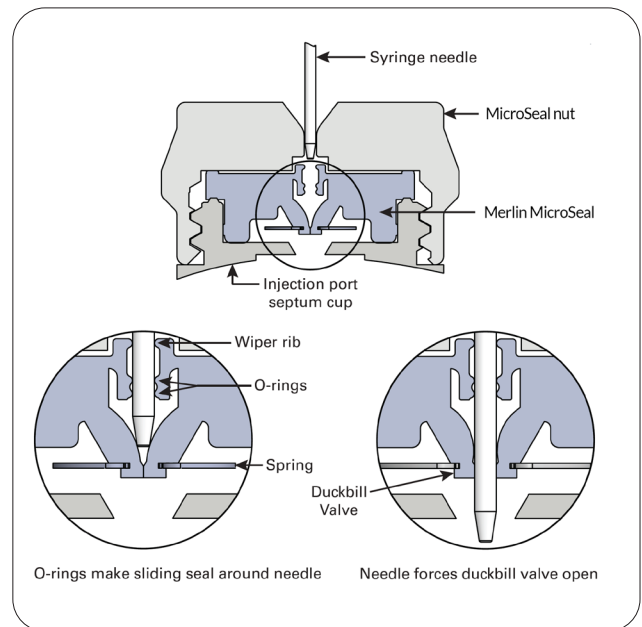
The Merlin MicroSeal is the preferred choice of chromatographers seeking improved performance for both manual and automated injections, including SPME.

Benefits:

- Reduces downtime for septum and liner changes.
- Improves reliability and performance during extended automated runs.
- Eliminates septum coring and crumbling.
- Reduces septum bleed peaks.
- Lowers needle insertion force.

Features:

- O-rings seal around needle during injection.
- Duckbill valve allows needle to penetrate easily.
- Spring ensures rapid duckbill closure.
- Duckbill valve seals more tightly at higher pressures.
- Wiper rib at entry point reduces particulate contamination.



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Agilent Instruments	
Description	Part No.
Low Pressure MicroSeal Kit (Nut & 2 #310 MicroSeals)	CP-100025
Low Pressure MicroSeal Kit (Nut & 1 #310 MicroSeals)	CP-100026
General Purpose MicroSeal Kit (Nut & 2 #401 MicroSeals)	CP-100027
General Purpose MicroSeal Kit (Nut & 1 #401 MicroSeals)	CP-100028
MicroSeal Nut	CP-100029
Shimadzu Instruments	
MicroSeal Kit for Shimadzu (Nut, Adapter assembly, & 2 #410 MicroSeals)	CP-100033
Thermo Scientific Instruments	
MicroSeal Kit for Thermo Trace 1300 Series (Nut & 2 #410 MicroSeals)	CP-100030
Bruker/Varian Instruments	
MicroSeal Kit for Varian 1079 (Nut, Adapter, O-ring, & 1 #410 MicroSeals)	CP-100034
MicroSeal Kit for Varian 1177 (Nut, Adapter, O-ring, Spacer & 1 #410 MicroSeals)	CP-100035
PerkinElmer Instruments	
MicroSeal Kit for PerkinElmer (Nut, Adapter, O-ring, & 2 #410 MicroSeal)	CP-100036
Replacement MicroSeal	
Low Pressure MicroSeal (1 to 45 psi and Parts)	CP-100019
General Purpose MicroSeal (Most Applications, 3 to 100 psi)	CP-100020
MicroSeal for SPME Applications (3 to 100 psi)	CP-100021
Additional Parts	
19 Ga. MicroSeal for Torion T-9 GC-MS or Rheosense VROC Initium	CP-100022
26 Ga. MicroSeal for 26 ga. or 23/26 ga. tapered needles	CP-100023
26 Ga. MicroSeal for Thermo Trace 1300 cold on-column GC/MS	CP-100024
MicroSeal Nut for Thermo Trace 1300 Series ports, nut only	CP-100031
MicroSeal Adapter for Thermo Trace Ultra GC (adapter parts only)	CP-100032
Arrow MicroSeal Nut for Agilent Inlets	CP-100037
Arrow MicroSeal adapter kit for Shimadzu 2010 & 2025 GCs	CP-100038
Arrow MicroSeal Nut for Thermo Trace 1300 Series GCs	CP-100039
Arrow MicroSeal Adapter kit for Thermo Trace Ultra GCs	CP-100040
MicroSeal for 1.1 mm Arrow SPME probes	CP-100041
MicroSeal for 1.5 mm Arrow SPME probes	CP-100042
Tube Stem Adapter	CP-100043
MicroSeal for ambient conditions	CP-100044