



Merlin 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.

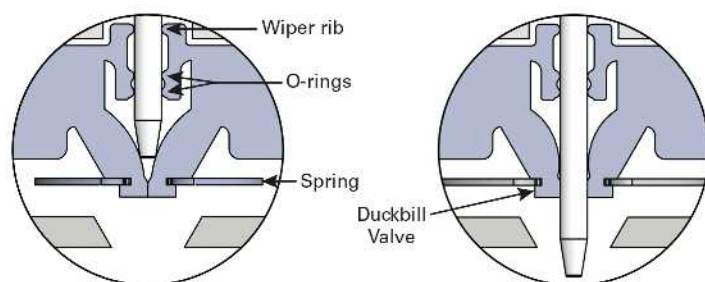
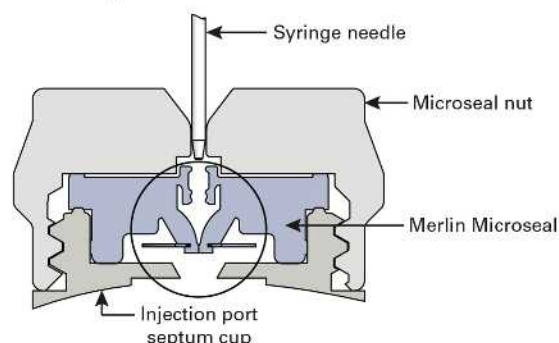
The Merlin MicroSeal is the preferred choice of chromatographers seeking improved performance for both manual and automated injections, including SPME.

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.
- 3 versions: General purpose, Low pressure and SPME.



O-rings make sliding seal around needle

Needle forces duckbill valve open

Part Number	Description
seals	
310	23 Ga. Low Pressure Replacement Microseal (1 – 45 psi)
410	23 Ga. General Purpose Replacement Microseal (3 – 100 psi) (also for OPTIC)
21-01	SPME Replacement Microseal (Ga. 23)
610	26 Ga. Microseal for 26 ga. or 23/26 ga. tapered needles
620	26 Ga. Microseal for Thermo Trace 1300 cold on-column GC/MS
1100	Microseal for 1.1 mm Arrow SPME probes (also for OPTIC)
1500	Microseal for 1.5 mm Arrow SPME probes (also for OPTIC)
Kits (seal and septum nut)	
304	Low Pressure Microseal Starter Kit For Agilent (Nut, 2 #310 Microseals)
305	Low Pressure Microseal Adapter Kit For Agilent (Nut, 1 #310 Microseal)
404	General Purpose Microseal Starter Kit For Agilent (Nut, 2 #410 Microseals)
405	General Purpose Microseal Adapter Kit For Agilent (Nut, 1 #410 Microseal)
403	Microseal Nut for Agilent Ports
81-12	Microseal Kit for Thermo Trace 1300 Series (Nut, 2 #410 Microseals)
61-12	Microseal Kit for Shimadzu 2010 and 2025 ports (Nut, Adapter assembly, 2 #410 Microseals)
21-11	Microseal Kit for Varian 1079 ports (Nut, adapter, o-ring, 1 #410 Microseal)
22-11	Microseal Kit for Varian 1177 ports (Nut, adapter, o-ring, spacer, 1 #410 Microseal)
51-12	Microseal Kit for PerkinElmer ports (Nut, adapter, o-ring, 2 #410 Microseals)
1000AG	Arrow Microseal Nut for Agilent Inlets
1000SH	Arrow Microseal adapter kit for Shimadzu 2010 & 2025 GCs
1000TS	Arrow Microseal Nut for Thermo Trace 1300 Series GCs