

## 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.

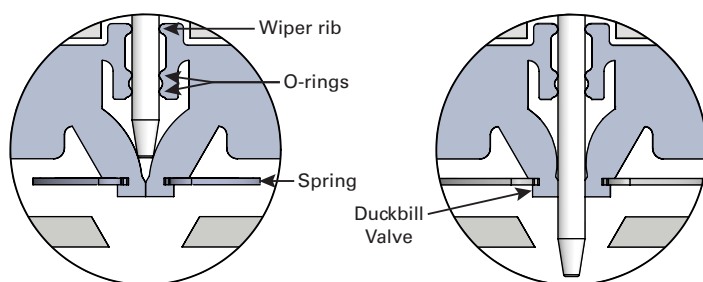
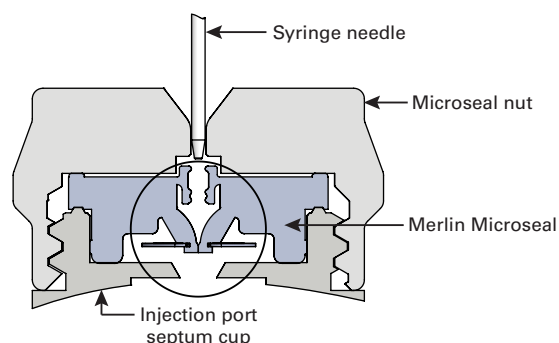
The Merlin MicroSeal is the preferred choice of chromatographers seeking improved performance for both manual and automated injections, including SPME.

#### 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 Description	Merlin Part Number	MSRP*
<b>For Agilent Instruments</b>		
Low Pressure Microseal Kit (nut & 2 #310 Microseals)	304	\$311.00
Low Pressure Microseal Kit (nut & 1 #310 Microseal)	305	\$207.00
General Purpose Microseal Kit (nut & 2 #410 Microseals)	404	\$299.00
General Purpose Microseal Kit (nut & 1 #410 Microseal)	405	\$199.00
Microseal Nut	403	\$85.00
<b>For Shimadzu Instruments</b>		
Microseal Kit for Shimadzu (nut, adapter assembly, & 2 #410 Microseals)	61-12	\$360.00
<b>For Thermo Scientific Instruments</b>		
Microseal Kit for Thermo Trace 1300 Series (nut & 2 #410 Microseals)	81-12	\$299.00
<b>For Bruker/Varian Instruments</b>		
Microseal Kit for Varian 1079 (nut, adapter, o-ring, & 1 #410 Microseal)	21-11	\$400.00
Microseal Kit for Varian 1177 (nut, adapter, o-ring, spacer, & 1 #410 Microseal)	22-11	\$425.00
<b>For PerkinElmer Instruments</b>		
Microseal Kit for PerkinElmer (nut, adapter, o-ring, & 2 #410 Microseals)	51-12	\$363.80
<b>Replacement Microseals</b>		
Low Pressure Microseal (1 to 45 psi)	310	\$134.50
General Purpose Microseal (most applications, 3 to 100 psi)	410	\$131.75
Microseal for SPME Applications (3 to 100 psi)	21-01	\$131.75

\*Manufacturer Suggested Retail Price