

## Headspace Vials and Accessories

### Vials



Headspace vials and closures must form a tight seal for accurate analysis with reproducible results. Available in clear or amber Type I borosilicate glass with crimp or screw thread finishes. The vials are used to heat the sample until the concentration of the liquid and gas phases are in equilibrium. A sample is then taken from the gas phase (headspace) for analysis.



*Flat Bottom Threaded Headspace Vials*



*Round Bottom Crimp Headspace Vials*



*Round Bottom Threaded Headspace Vials*

#### Standard Headspace Vials with Flat Bottoms

*Use in Agilent, Carlo Erba, Perkin Elmer and Shimadzu*

**Shelf Pack - 100 pieces; Case Pack - 1000 pieces**

Cat. No.	Description
36020-2238	6mL Clear Headspace Vial, 22x38mm (for Perkin-Elmer), 20mm Crimp
310020-2346	10mL Clear Headspace Vial, 23x46mm, 20mm Crimp
320020-2375	20mL Clear Headspace Vial, 23x75mm, 20mm Crimp
327020-3060	27mL Clear Headspace Vial, 30x60mm (for Shimadzu), 20mm Crimp
310018F-2346	10mL Clear Flat Bottom Headspace Vial, 23x46mm, 18mm Thread
31018F-2346A	10mL Amber Flat Bottom Headspace Vial, 23x46mm, 18mm Thread
320018F-2375	20mL Clear Flat Bottom Headspace Vial, 23x75mm, 18mm Thread
32018F-2375A	20mL Amber Flat Bottom Headspace Vial, 23x75mm, 18mm Thread

#### European Headspace Vials with Rounded Bottoms

*Use in Perkin Elmer, Tekmar, L.E.A.P. Technologies and Varian*

**Shelf Pack - 100 pieces; Case Pack - 1000 pieces**

Cat. No.	Description
310020A-2346	10mL Headspace Vial, 23x46mm (for Leap), 20mm Crimp
320020A-2375	20mL Headspace Vial, 23x75mm (for Perkin Elmer), 20mm Crimp
310018R-2346	10mL Clear Rounded Bottom Headspace Vial, 23x46mm, 18mm Thread
31018R-2346A	10mL Amber Rounded Bottom Headspace Vial, 23x46mm, 18mm Thread
320018R-2375	20mL Clear Rounded Bottom Headspace Vial, 23x75mm, 18mm Thread
32018R-2375A	20mL Amber Rounded Bottom Headspace Vial, 23x75mm, 18mm Thread

### Closures



*20mm Seals for Headspace Vials*

#### Aluminum Seals (20mm)

**Shelf Pack - 100 pieces; Case Pack - 1000 pieces**

Cat. No.	Description
5110-20	20mm Silver Seal, 10mil PTFE
5140-20	20mm Silver Seal, 0.131" PTFE/Gray Butyl Rubber
5150-20	20mm Silver Seal, 0.125" PTFE/Silicone

## Headspace Vials and Accessories

### Closures

#### Aluminum Seals - Pressure Release (20mm)

**Case Pack - 100 pieces**

Cat. No.	Description
5141PR-20	20mm Silver Seal, 0.131" PTFE/Molded Gray Butyl Pressure Release
5142PR-20	20mm Silver Seal, 0.140" PTFE/Rubber Pressure Release
5143PR-20	20mm Silver Seal, 0.100" PTFE/Silicone Pressure Release

#### Tin Plate Seals - Magnetic (20mm)

**Case Pack - 100 pieces**

Cat. No.	Description
5144TP5-20	20mm Silver Tin Plate Seal, 5mm Hole, 0.131" PTFE/Butyl Rubber
5144TP8-20	20mm Silver Tin Plate Seal, 8mm Hole, 0.131" PTFE/Butyl Rubber
5145TP5-20	20mm Silver Tin Plate Seal, 5mm Hole, 0.100" PTFE/Silicone
5145TP8-20	20mm Silver Tin Plate Seal, 8mm Hole, 0.100" PTFE/Silicone



The BiMetal Seal is comprised of tin and aluminum materials. The outer surface (red or blue) is aluminum and the inner diameter is a silver tin.

#### BiMetal Seals - Magnetic (20mm)

**Case Pack - 100 pieces**

Cat. No.	Description
5150BM00-20R	20mm Red BiMetal Seal, 0.100" PTFE/Silicone
5150BM00-20B	20mm Blue BiMetal Seal, 0.100" PTFE/Silicone
5150BM18-20R	20mm Red BiMetal Seal, 0.118" PTFE/Silicone
5150BM18-20B	20mm Blue BiMetal Seal, 0.118" PTFE/Silicone

#### Metal Threaded Closures (18mm)

**Case Pack - 100 pieces**

Cat. No.	Description
5310M-18	18mm Silver Metal Closure Only
5350-18M	18mm Silver Metal Closure with 0.050" PTFE/Silicone Liner
5356B-18M	18mm Silver Metal Closure with Blue 0.060" PTFE/Silicone Liner
5351TB-18M	18mm Silver Metal Closure with Translucent Blue 0.125" PTFE/Silicone Liner
5001-20	20mm Butyl Rubber Stopper



18mm Metal Threaded Closures

### Accessories

#### Crimpers/Decappers for 20mm Crimp Vials

**Sold Individually**

Cat. No.	Description
9300-20	20mm Hand Operated Crimper
9310-20	20mm Hand Operated Decapper
9320-20	20mm Crimp Type Decapper