

J&W GC Column Performance Summary

Agilent Technologies

For your new column—the right ferrule.

Each instrument, column and supply from Agilent Technologies comes with the lessons learned from 35 years in the forefront of chemical analysis technology and world-class manufacturing. The result? *You have the security and convenience of knowing that your instruments and supplies will fit—and work—together perfectly.*



Complete solutions
Our integrated combination of instruments, supplies, services and support assure you of excellent performance and high productivity, day after day. Everything works together so that you get the best possible results from your analytical work.

A perfect fit
Agilent ferrules fit your new column perfectly—for leak-proof seals. Designed by engineers and tested with Agilent instruments, each ferrule is made to last, with tight dimensional tolerances and reliability.

The right ferrule for you
We offer the right ferrule for every application.



Ferrule	Upper Temperature Limit	Uses
Graphite (100%)	450 °C	Soft. General purpose for capillary columns. Forms effective seal with fused silica or glass columns. Suitable for FID, NPD and ECD. Not for MS.
Graphite/Vespel (15%/85%)	350 °C	Hard, tight fit with minimal shrinkage. General purpose for capillary columns. Low oxygen diffusion rates. For MS or oxygen-sensitive detectors.
Vespel	280 °C	Isothermal. Reusable.
Metal	>450 °C	General purpose for metal packed columns.
O-Ring	250 °C	Glass packed columns.

For a complete listing of PerfectFit supplies and J&W Scientific columns, as well as ordering information, please visit our Web site at:

www.agilent.com/chem

Or, you can contact your authorized
Agilent distributor
or local
Agilent representative.



Rely on us. . .
for the perfect flowmeter.

- **Agilent's Optiflow Digital Bubble series volumetric flowmeters** measure virtually any gas with ease.
- **Agilent's Veri-Flow 500 mass flowmeters** are calibrated for specific gases.
- **Agilent's ADM series and FlowTracker flowmeters** measure flow, volumetrically and by mass.
- **Agilent's Optiflow 1000 flowmeters** measure all liquids.

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Agilent's J&W Scientific GC Columns
Same High Quality Columns, in a New Box

HP and DB are dependable GC column names. Now they are in one box, under one brand name: Agilent J&W Scientific GC columns. The box is new, but the polymer chemistries, specifications and your results remain the same. Every one of our GC columns meets the highest quality control specifications in the industry.



When you need your next HP-5ms or DB-1 (or any other GC column), rest assured that you can still get the same columns that you've been relying on for years. Each one will continue to give you the superior performance that you have come to expect.

Moreover, Agilent accessories, parts and supplies are a perfect fit with Agilent instruments.



Designed to work together

Leverage your Agilent technology investment with vials that match your instruments precisely—to ensure optimal operation. Agilent vials are engineered and produced to the same exacting standards as our LC, GC and MS instruments. You get quality and reliability as well as tight dimensional tolerances and top-quality glass.

Our large selection of vials covers:
- Different closure styles
- A variety of cap colors
- Multiple septa choices
- Various packaging options and sizes

And Agilent's competitive pricing will help you maximize profitability as well as productivity.

Our most popular vial selections	Part number
2 ml clear wide-opening, crimp-top vials	5181-3375
2 ml clear wide-opening, screw-top vials	5182-0714
2 ml clear wide-opening, snap-top vials	5182-0544

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Performance Results

Compound Identification	Retention Time (t_r)	Partition Ratio (k)	Peak Width ($w_{1/2}$)

Test Conditions

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