

# INSTALLATION INSTRUCTIONS FOR THE AGILENT J&W DB-SULFUR SCD COLUMN

The Measure of Confidence



## Thank you for selecting Agilent J&W DB-Sulfur SCD Column

In order to obtain the optimum performance of this DB-Sulfur SCD column with your Sulfur Chemiluminescence Detector, you must follow these special installation instructions in addition to the steps provided in the **Agilent J&W Capillary GC Column Installation Guide** that is included with the column. Familiarize yourself with the instructions in the **GC Column Installation Guide** and these special instructions before beginning your column installation.

1. With the column oriented so that you can read the serial number on the ID tag (e.g., see Figure 1A on back), unwind approximately  $\frac{1}{2}$  coil of tubing from the end of the back of the column nearest to the cage ring (see Figure 1B on back for proper column orientation). There should be enough column tubing to easily extend the end of the column to the GC injection port.
2. Position and hang the column cage ring onto the GC oven column hanger as demonstrated in Figure 1A.
3. Place a column/injection port nut, and then the appropriate size ferrule onto the left-hand end of the tubing.
4. Refer to the **GC Column Installation Guide**, steps 1-4, and install your DB-Sulfur SCD column into the sample injection port for your GC system.

### **IMPORTANT NOTE: DO NOT INSTALL THE COLUMN IN THE DETECTOR AT THIS TIME**

5. After establishing that the column is installed leak-free on the injector side and the carrier gas flow is set, pre-condition the column by setting the GC oven temperature to 10 degrees above the final temperature of your GC analysis or to the column's programmed maximum temperature limit, whichever is lower.

Note: Temperature limits for your DB-Sulfur SCD are given on the column's serial tag.

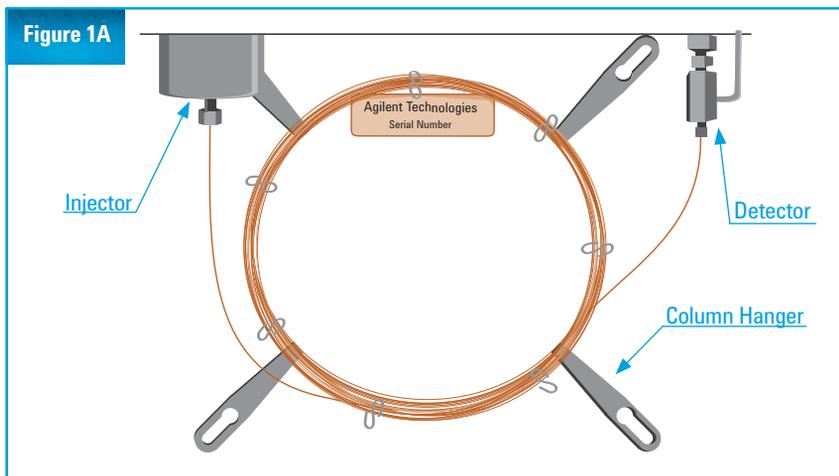
6. Once the GC oven has reached the temperature set point, pre-condition the column for 30 minutes, then cool the GC oven to room temperature.
7. You can now continue with installation of your column into the SCD.

(See reverse side for more information.)



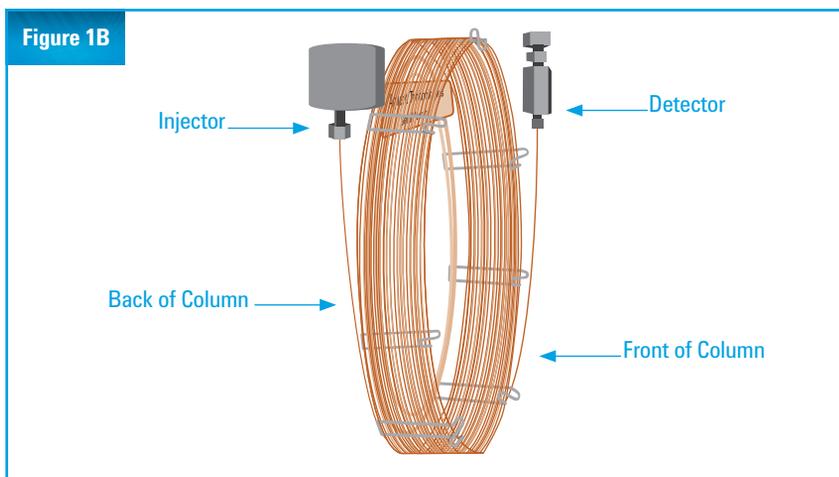
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**Figure 1A**



*DB-Sulfur SCD installed correctly with ID tag facing where serial number can be read.*

**Figure 1B**



*Correct installation for DB-Sulfur SCD showing the column tubing from the back of the column installed in the injection port (on left) and the front of the column installed into the SCD adaptor fitting (on right).*

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