

Instructions for Using the Seal Frit

The Seal Frit enables you to transfer air-sensitive samples from the degas port of a VacPrep to the analysis port of the TriStar without atmospheric contamination. It is designed for use with 1/2-in. round- or flat-bottom sample tubes and consists of two main components: the seal, which fits on the sample tube, and the opener, which is installed in the vacuum fittings of the VacPrep and sample ports of the TriStar. Appropriate filler rods (if used) are included in the Seal Frit kit; hanging filler rods cannot be used with the Seal Frit.



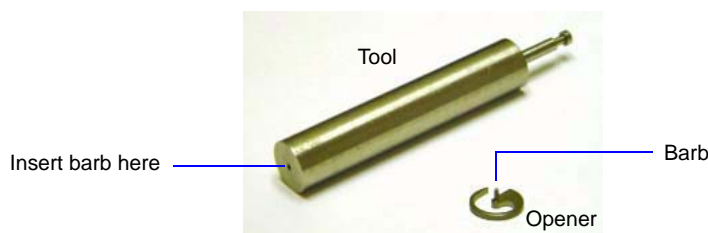
A Seal Frit cannot be used with flowing-gas degassers.

The Seal Frit Kit for the TriStar contains the components listed in Table 1.

Table 1. Seal Frit Kit

Quantity	Part Number	Description
3	260-25890-00	Seal Frit assembly
9	260-25891-00	Sample Tube opener; six for the VacPrep and three for the TriStar
3	302-61005-02	Filler rod, for 1/2-in. sample tube
1	004-54130-00	Tool; for installing and removing the opener
1	302-42802-00	Instructions

1. Install openers in the vacuum fittings of the VacPrep and in the sample ports of the TriStar.
 - a. Insert the barb of the opener into the hole located on the flat end of the tool.

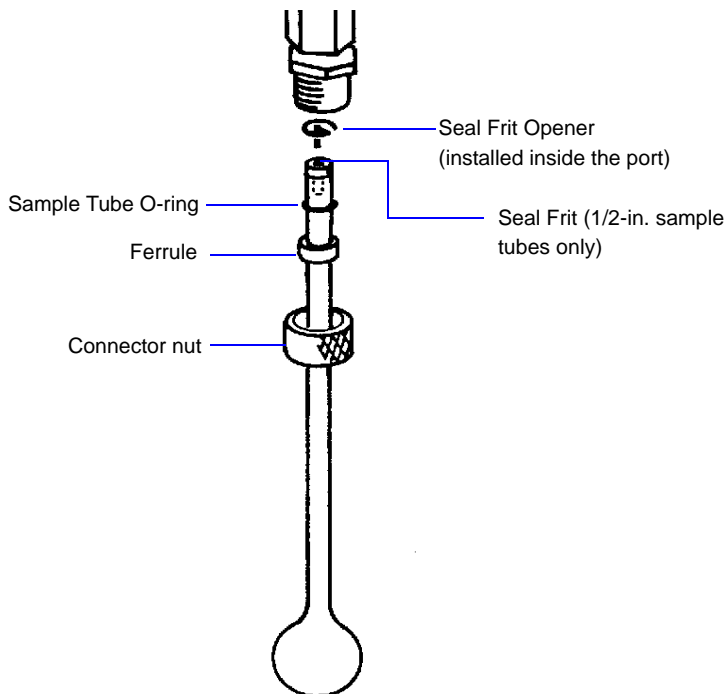


- b. Insert the tool into the fitting of the VacPrep and into the sample port of the Tristar; push gently to seat the opener into place and remove the tool.

2. Weigh your sample (refer to the TriStar operator's manual) and place it into the sample tube. If you are using filler rods, insert them before beginning the weighing process.
3. Insert the Seal Frit into the sample tube. An O-ring provides sealing with the inside of the sample tube and can be shifted into any one of three positions (with position 1 being the tightest) to provide a tight seal.

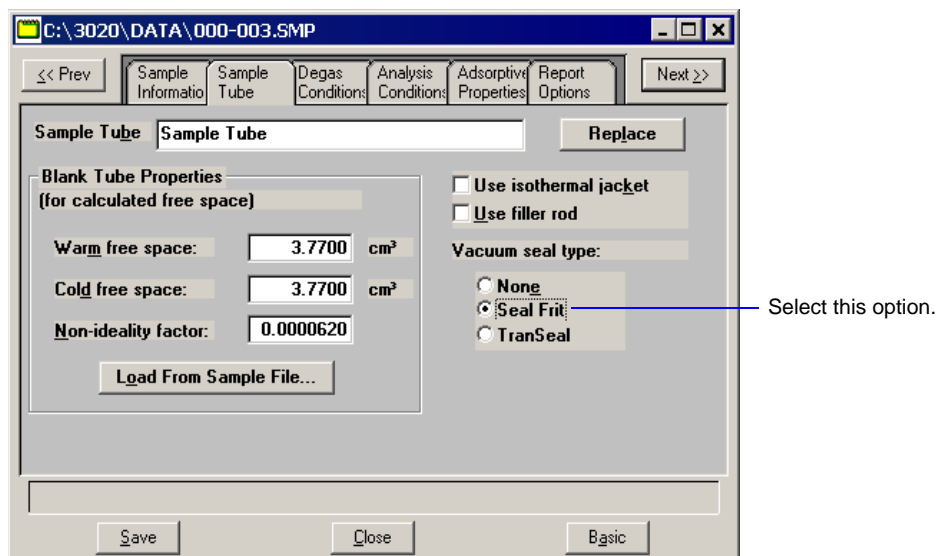


4. Install the sample tube onto the vacuum fitting of the VacPrep. Your installation sequence should look like this one.



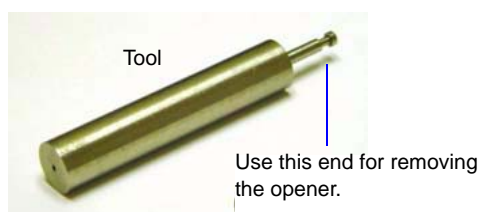
5. After degassing is complete, backfill to atmospheric pressure using clean nitrogen. Other clean, inert gases may be used; however, light gases like helium require correction for buoyancy.
6. Remove the sample tube from the VacPrep and install it on a sample port of the TriStar.

7. Open the sample file(s) you will be using in the analysis. Click the **Sample Tube** tab and select **Seal Frit** as the Vacuum seal type.



Click **Save** and close the file(s).

8. Select **Unit [n] < Sample Analysis** to display the Analysis dialog. Select **Browse** for each port to be used and choose appropriate files; start the analysis(es).
9. When ready to remove the openers, use the opposite end of the tool. This end has a stem with a niche.



Insert the stem into the port and twist until it hooks onto the opener; tug gently to remove the opener from the port.



When using the 1/2-in. tube without a seal frit, the openers may remain installed in the ports. Openers must be removed if using the 1/4- or 3/8-in. tube.