

CHECK SEAL

M I C R O M E R I T I C S



INSTRUCTIONS

350-42802-00
Mar 2015
(Rev D)

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INSTRUCTIONS FOR USING THE CHECK SEAL

The check seal allows the transfer of air-sensitive samples from the degas port of a VacPrep or Smart VacPrep to the instrument analysis port without atmospheric contamination. It is designed for use with 12 mm OD sample tubes.

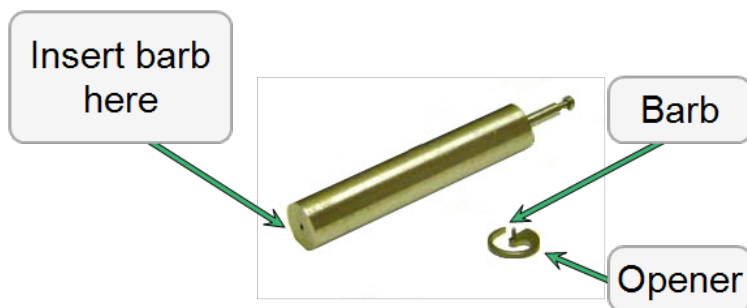


A check seal cannot be used with flowing-gas degassers.

Check Seal kit (part number 350-33607-00) contents

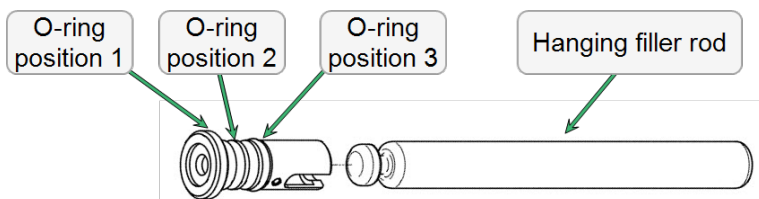
Part Number	Description
260-25891-00	Sample tube opener; for VacPrep or Smart VacPrep
350-25863-00	Sample tube opener; for 3Flex
350-25864-00	Check seal assembly
350-25869-00	Tool for installing and removing the opener
350-42802-00	Instructions for using the check seal

1. Install openers in the vacuum fittings of the VacPrep or Smart VacPrep and in the sample ports of the 3Flex. The openers are a different size; be sure to use the appropriate opener.
 - a. Insert the barb of a VacPrep opener into the hole located on the flat end of the tool.

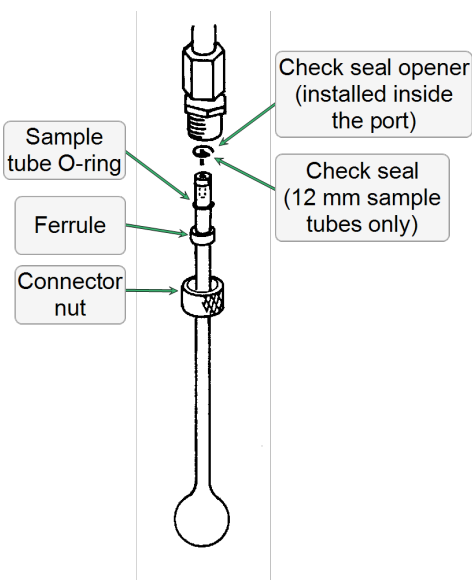


- b. Insert the tool into the fitting of the VacPrep or Smart VacPrep and push gently to seat the opener into place. Repeat for remaining ports. Remove the tool.
 - c. Place an opener on the tool and insert into an analysis port on the 3Flex. Repeat for remaining ports
2. Weigh the sample (refer to the instrument operator manual).
3. Place the sample into the sample tube.

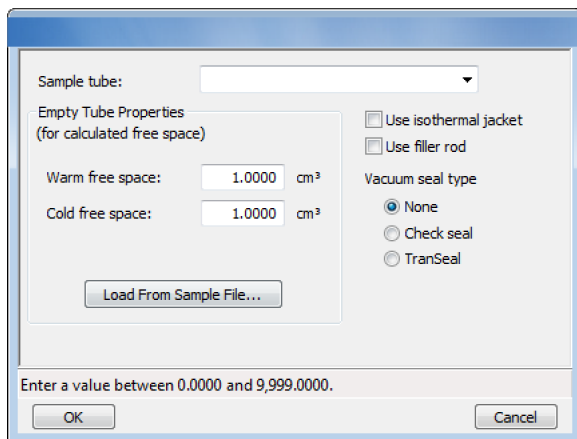
- The check seal contains a hanging filler rod; insert the assembly into the sample tube. The check seal O-ring can be shifted into any of three positions to provide a tight seal depending on small variations in the inside diameter of the sample tube. Position 1 is the tightest seal.



- Install the sample tube onto the vacuum fitting of the VacPrep or Smart VacPrep using the following illustration as a guide.



- 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.
- Remove the sample tube from the VacPrep or Smart VacPrep and install it on a sample port of the 3Flex.
- Open the sample file to be used for the analysis.
 - Click the down arrow to the right of the *Sample Tube* field and select the *Sample Tube* file. Click **Edit**.



- b. Select *Check seal* as the Vacuum seal type. Click **OK** to return to the sample file.
9. Click **Save**, then click **Close**.
10. Go to **Unit [n] > Sample Analysis**. Click **Browse** for each port to be used and choose appropriate files. Click **Start** to begin the analyses.
11. When removing the opener, use the opposite end of the tool (the end 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 12 mm or 1/2 in. tube without a check seal, the openers may remain installed in the ports. Openers must be removed if a 9 mm, 3/8 in., or 1/4 in. tube is used.