

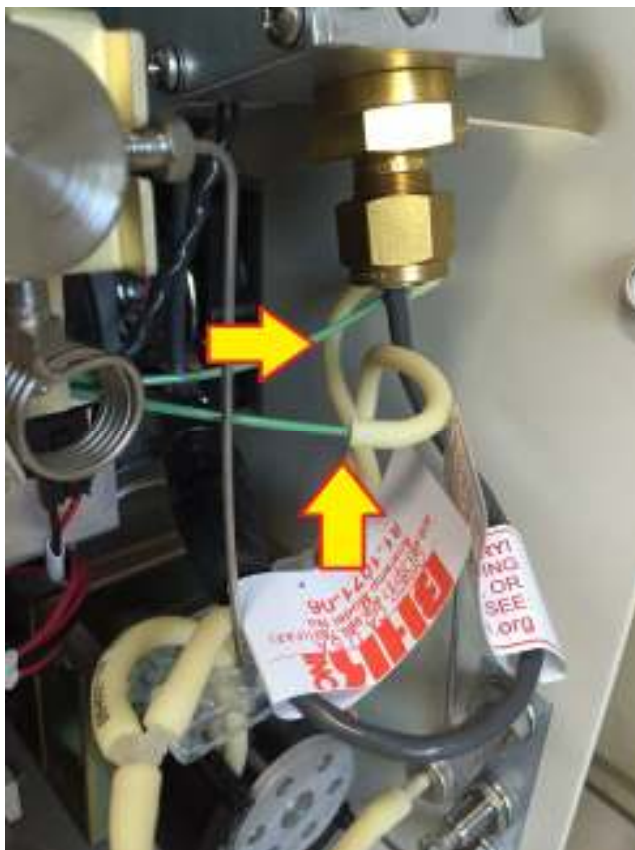
Backflush technique for 900 and 5310C TOC analysers

Tools required:

- Wash bottle with medium – fine nozzle
- Old (or new) peristaltic pump tubing

Procedure:

1. Shut down the autosampler software (where fitted) and then turn off the TOC analyser.
2. Open the cover of the analyser.
3. Locate the peristaltic pump. The pump roller has two tubes wrapped around it. The “waste” side of both tubes are connected to a “Y” connector which then runs out to the waste port on the side of the analyser. The other ends of both tubes (instrument side), are each connected to a piece of GREEN PEEK tubing. See photo below....



4. Disconnect either of the tan tubing from the green tubing so that the green tubing end is now free.
5. Locate an old or new pump tubing assembly and note that there are two different diameters of tubing in the tubing assembly.
6. Locate a wide bore and a narrow bore length, and use an adapter to connect the two pieces as shown in the following photo.



7. Once you have the tubing set up as per the picture above, connect the open end of the narrow bore tubing to the open end of the green peek tubing and connect the wide bore end of the tan tubing to a wash bottle as per picture below.



8. Now, take hold of the wash bottle and squeeze water through the tubing and back through the analyser until you see flow from the sample input line (either the sipper tube for the lab model, or the needle in the vial port for the online and portable units).
9. Keep steady constant pressure on the wash bottle and you will see water flowing from the sampling port, this will be followed by a stream of air for a little while and finally water once again. When this second lot of water appears, keep the pressure on for a further 15 seconds before releasing the pressure and immediately removing the tan tubing from the green PEEK tubing.
10. Connect the green PEEK tubing back to the original pump tubing.
11. Perform steps 4 through to 10 again for the other green peak tubing.