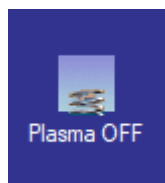
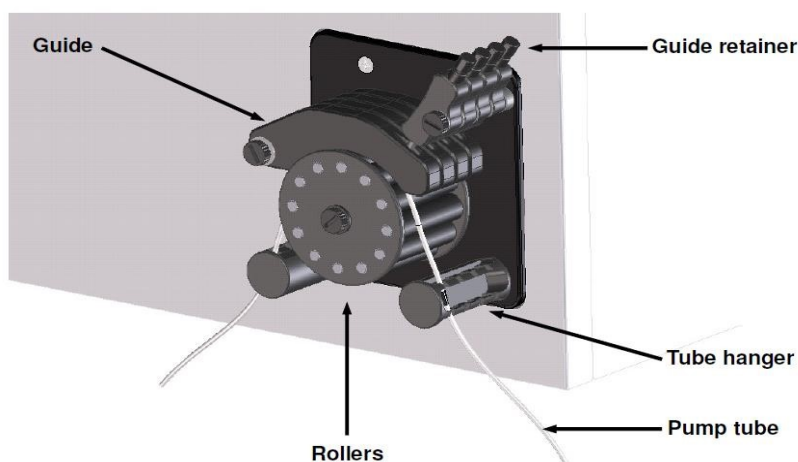


ICPE – Preparing your instrument for shutdown

1. To flush out the system, aspirate with rinse solution for five minutes, then DI water for additional three minutes. For oils applications, aspirate with a rinse solution for five minutes.
2. Shut down the plasma by clicking the Plasma Off button in ICPEsolution software at the bottom-left of the screen. Wait for the shutdown sequence to complete.

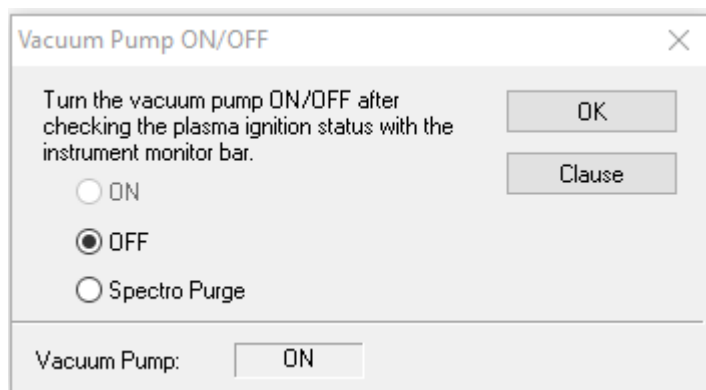


3. Release tension on the peristaltic pump tubing by releasing the guide arms and detaching tubing from the tube hangers.

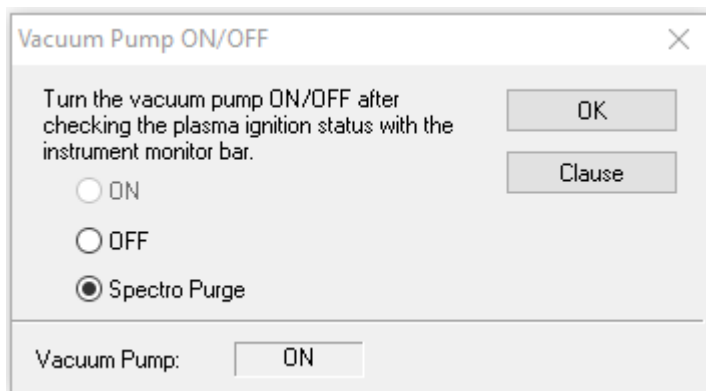


4. Switch OFF the Vacuum pump under Instrument - Vacuum Pump ON/OFF...

and confirm the dialog with OK



5. Wait until the Vacuum OFF sequence has finished, then click again Instrument – Vacuum Pump ON/OFF. In the dialog select Spectro Purge and click OK. The spectrometer is purged with Argon.



6. Switch off the exhaust ventilation system and switch off the argon gas supply.
7. Ensure that the chiller water has antimicrobial additives as recommended in the user manual. Three tablets of baby aspirin dissolved and circulated can act as a substitute for commercially available products. Switch off the Chiller.
8. Close the ICPEsolution software and the PC.
9. Turn off the power switch on the left side of the main ICPE body.

10. Shut off power to the autosampler, and other external accessories.
11. Dispose of the rinse solution in the drain trap and the drain line and close the waste collection container.



ICPE – Startup procedure

1. Refer to the instruction manual, (PN 305-34208, “ICPE-9800 Series Instruction Manual”) for specific startup procedures.
2. Start up the duct exhaust system.
3. Supply cooling water after checking levels and the absence of contamination in the external chiller water.
4. Check the oil in the external roughing pump, maintenance if necessary, and power on.
5. Turn on argon at the source—ensure proper pressure is not exceeded during this process: argon at 450 kPa \pm 10kPa.
6. Turn on the power switch on the left side of the main ICPE-9800 Series body.
7. Turn on the PC and other peripherals. Open software to establish communications.
8. Switch ON the Vacuum Pump under Instrument - Vacuum Pump ON/OFF... and confirm the dialog with OK.

Wait at least 6 h to heat up the spectrometer. If the Vacuum value is higher than 8 Pa after 24 h of evacuating the spectrometer exchange the Molecular Sieve (Oil Absorbent) in the Vacuum Pump.

9. Fill the drain trap with water to create a pressure seal to the torch.



10. Check the glassware, as well as peristaltic pump (option), nebulizer and other sample introduction accessories before turning on the plasma.
11. Refer to the Instruction manual for additional details.



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