



Argon Saturator Accessory Installation Instruction Sheet

The Argon Saturator Accessory (ASA) is used to minimize salt deposition in the nebulizer and torch injector tip when analyzing aqueous samples. The accessory is suitable for use with the Agilent Liberty, Vista-MPX and Vista-PRO ICP-OES instruments.

NOTE

Do not use the ASA when you are running organic samples, using the ultrasonic nebulizer or using the VGA-77.

The Argon Saturator Accessory kit includes:

- ASA assembly (Item 1 in Figure 1)
- ASA mounting bracket, radial (Item 2 in Figure 1)
- ASA mounting bracket, axial (Item 3 in Figure 1)
- Mounting studs (Item 4 in Figure 1)

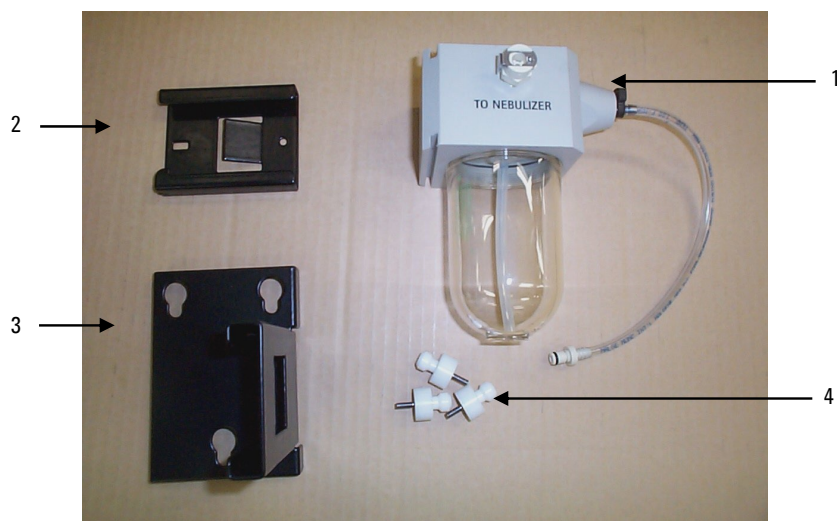


Figure 1. Components of the Argon Saturator Accessory kit

The installation of the Argon Saturator Accessory differs depending on whether you have a radial or axial ICP-OES instrument.

Follow the instructions that are relevant to your instrument type.



Installation of the Mounting Bracket for Radial Instruments

For radial instruments, the ASA sits on its bracket on the left wall of the sample compartment and is connected between the nebulizer argon gas outlet and the nebulizer gas intake tube. The water levels in the ASA should be regularly checked and replenished as required.

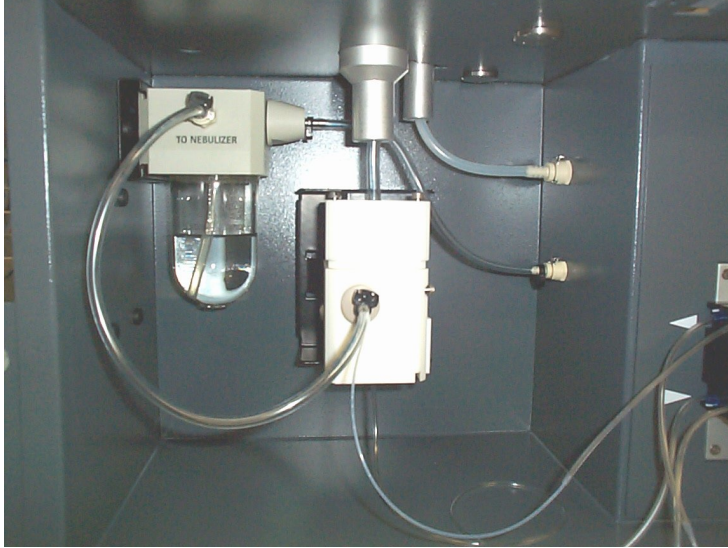


Figure 2. The ASA mounted in the sample compartment of a radial instrument

To install the mounting bracket:

- 1** Pry off the two plastic caps on the upper left corner of the sample compartment (using a flat blade screw driver, for example) and remove the two screws.
- 2** Position the mounting bracket (Item 3) against the sample compartment wall with the hooked rail at the top, aligning the holes in the bracket over the holes in the wall. Secure it in place with the two screws removed earlier.
- 3** Refer the section titled 'Installation of the Argon Saturator Accessory for Radial and Axial Instruments' on Page 4.

Installation of the Mounting Bracket for Axial Instruments

For axial instruments, the ASA sits on its bracket at the rear wall of the sample compartment and is connected between the nebulizer argon gas outlet and the nebulizer gas intake tube. The water levels in the ASA should be regularly checked and replenished as required.



Figure 3. The ASA mounted in the sample compartment of an axial instrument

To install the mounting bracket:

- 1** Pry off the three plastic caps on the rear of the sample compartment (using a flat blade screw driver, for example) and remove the three screws.
- 2** Replace the three screws (removed earlier) with the three mounting studs (Item 4).
- 3** Position the mounting bracket (Item 2) over the mounting studs and seat in position on the sample compartment back wall.
- 4** Refer the section titled 'Installation of the Argon Saturator Accessory for Radial and Axial Instruments' on Page 4.

Installation of the Argon Saturator Accessory for Radial and Axial Instruments

To finish installing the Argon Saturator Accessory:

- 1 Unscrew the water vessel from the ASA (Item 1) and add distilled deionized water (to a total of 100 mL).

NOTE

Use **only** distilled, de-ionized water in the ASA.

- 2 Screw the water vessel back onto the ASA.
- 3 Slide the ASA onto its bracket.
- 4 Connect the tubing extending from the right of the ASA to the nebulizer gas outlet on the sample compartment wall.
- 5 Attach the nebulizer gas tube (with the 1/8 in (3.2 mm) coupling insert) to the connector on the front of the ASA.

NOTE

If you have an axial instrument fitted with an ASA, you may need to increase the 'Ignition Delay' by 10–15 seconds.

The ASA is now installed and ready for use. If you are following the instrument installation procedure, you should now provide a drainage vessel.

This information is subject to change without notice.



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