

7694 Headspace Site Preparation Checklist

Purpose of Procedure

To assure that the installation of instruments and systems can be completed successfully by careful preparation and evaluation of the installation site and by ensuring the availability of appropriate utilities, consumables and supplies.

Customer Responsibilities

Customers should ensure that all necessary operating supplies, consumables and usage dependent items such as vials, syringes and solvents required for the successful installation of instruments and systems are available. Installation sites should be prepared in accordance with the following specifications. An Agilent Technologies customer engineer will call approximately 2 weeks prior to installation to confirm site readiness.

Important Information

If you have problems in providing any of the following, please contact your local Agilent Technologies office for assistance. Assistance with user specific applications may be provided but should be contracted separately. Users of the instrument should be present throughout the installation and familiarization otherwise important operational, maintenance and safety information may be missed.

Procedure Checklist

Dimensions and Weight



Weight: 30 kg	Height: 41 cm
	66 lbs. 17 in
Depth: 39 cm	Width: 56 cm
16 in	22 in

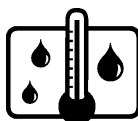
Unit must go on left side of HP GC. A special shelf will be required if MSD or IRD are also present.

Power Consumption



Europe:	USA:
220V AC	115V AC
(±10%)	(±10%)
48-66 Hz	48-66 Hz
420 VA max	420 VA max
(preferably a supply with isolated ground)	

Environmental Conditions:



Temperature:	Opt. Range	Max Range
	20° - 27° C	0° - 55° C
	58° - 80° F	32° - 131° F
Rel. Humidity:	50 - 60%	5 - 95%
	(non condensing)	

The minimum operating temperature for the Headspace sample oven is 40°C. However, the actual minimum oven temperature will depend on the environment. Generally, the minimum oven temperature will equal 20°C above ambient.



Gas Supply

60-80 psi supply. One two stage regulator with an 1/8 in SWAGELOK male connector. The gas entering the G1290A Headspace sampler is used as the carrier gas for the GC column. A gas supply connection for vial pressurization is also required.

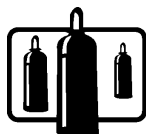
Tick Boxes

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Gas Selection

Tick Boxes



Helium – 99.995% or better depending on GC detector.



Nitrogen - 99.995% or better depending on GC detector.

A/R Methane – best available (99.9995% pure for electron capture detector applications).

Note: Hydrogen should not be used as a pressurizing gas because it causes a potential explosion hazard due to venting of gases during operation and stand-by.

Tubing - preconditioned copper tubing only.

Fittings – 1/8-inch Tee and fittings.

Traps -A molecular sieve moisture trap should be installed in the carrier gas line, close to the Headspace connector.



Venting

During normal operation, part of the sample along with some headspace gas is vented to the outside of the instrument. If the components of the sample are potentially toxic or noxious, provisions must be made to vent these to a fume hood. The unit may be placed in a fume hood or a SWAGELOK fitting may be attached to the 1/16 inch vent line that exits the rear of the headspace sampler.

Note on interface considerations: The Headspace transfer line will connect using either a needle interface or a male fitting. Note, the male fitting on the transfer line is metric, so only a metric ZDF should be used. (A metric ZDF is supplied with the shipping kit.)