



# Agilent 5973N MSD G2577A, G2578A, G2579A, G2588A, G2589A

## Site Preparation Specification

### Purpose of Procedure

To assure that the installation of Agilent Technologies 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 columns, 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.

### 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

### Tick Boxes



### Dimensions and Weight



5973N Series MSDs	Height	Width	Depth	Weight
Diffusion Pump	40.6 cm 16 in	29.8 cm 11.75 in	54 cm 21.25 in	36 kg 80 lb
Standard Turbo Pump	40.6 cm 16 in	29.8 cm 11.75 in	54 cm 21.25 in	39 kg 85 lb
Standard PCI/EI Turbo Pump	40.6 cm 16 in	29.8 cm 11.75 in	54 cm 21.25 in	44 kg 95 lb
Performance Turbo Pump	40.6 cm 16 in	29.8 cm 11.75 in	54 cm 21.25 in	41 kg 90 lb
Performance CI/EI Turbo Pump	40.6 cm 16 in	29.8 cm 11.75 in	54 cm 21.25 in	46 kg 100 lb



### Environmental Conditions



Operation / Storage	Temperature Range		Humidity Range (Relative)
	°C	°F	
Operation	15 to 35	59 to 95	40% - 80%
Storage	-20 to 70	-4 to 158	0% - 95%



### Power



5973N		
Supply Circuit Rating	Line Voltage and Frequency	Power (VA)
15A	120 VAC+5/-10%, 50/60 Hz +- 5%	900VA (400 VA for Foreline pump only)
15A	200-240VAC +5/-10%, 50/60 Hz +-5%	900 VA (400 VA for Foreline pump only)

Site Preparation Specification

Procedure Checklist Continued

Tick Boxes



*Heat Dissipation*

3164 Kjoules / hr including GC/MSD interface  
 3000 BTU / hr including GC/MSD interface



*Gas Supply*

Gases	Purity	
Helium (Carrier)	99.9995%	Hydrocarbon-free
Hydrogen (Carrier)	99.9995%	SFC Grade
Methane (CI)	99.999%	SFC Grade
Isobutane (CI)	99.99%	Instrument Grade
Ammonia (CI)	99.9995%	Research or SFC Grade
Carbon Dioxide (CI)	99.995%	SFC Grade



*Exhaust Venting Requirements*

Vent external to building via ambient-pressure vent system, within 460 cm (15 ft) of both GC split vent and MSD foreline pump or Vent to fume hood.  
 Exhaust vent system is not part of environmental control system of building that recirculates air  
 Exhaust Venting complies with all local environmental and safety codes



Site Preparation Specification

Procedure Checklist Continued

Tick Boxes



*Communication / Remote Diagnostics*

(If Applicable)

Telephone, with cord long enough to reach instrument

One (1) analog phone line per ChemStation for modem-based remote control and diagnosis. The remote access kit (optional) consists of a modem, Carbon Copy software and a cable.

Fixed, permanently assigned IP addresses for each instrument (GCs, MSDs) and ChemStation PC

For connection to your building's network, Shielded Twisted Pair (STP) network cable.