

Agilent 1200 series G1379B

The **Agilent 1200 Series micro vacuum degasser G1379B**, comprises a 4-channel vacuum container, including 4 micro structured membranes, and a vacuum pump. When the micro vacuum degasser is switched on, the control circuit turns on the vacuum pump, which is operated with constant speed and voltage generates a partial vacuum in the vacuum container. The pressure is measured by a pressure sensor.

The micro vacuum degasser maintains the partial vacuum with the help of a controlled leak in the degasser’s proportional valve and by varying size of the controlled leak within the proportional valve, depending on the signal from the pressure sensor.

The LC pump draws the solvents from their bottles through the special plastic membranes of the vacuum container. As the solvents pass through the vacuum chambers any dissolved gas in the solvents permeates through the membranes into the vacuum container. The solvents will be almost completely degassed when leaving the outlets of the micro vacuum degasser.

G1379A Physical Specifications

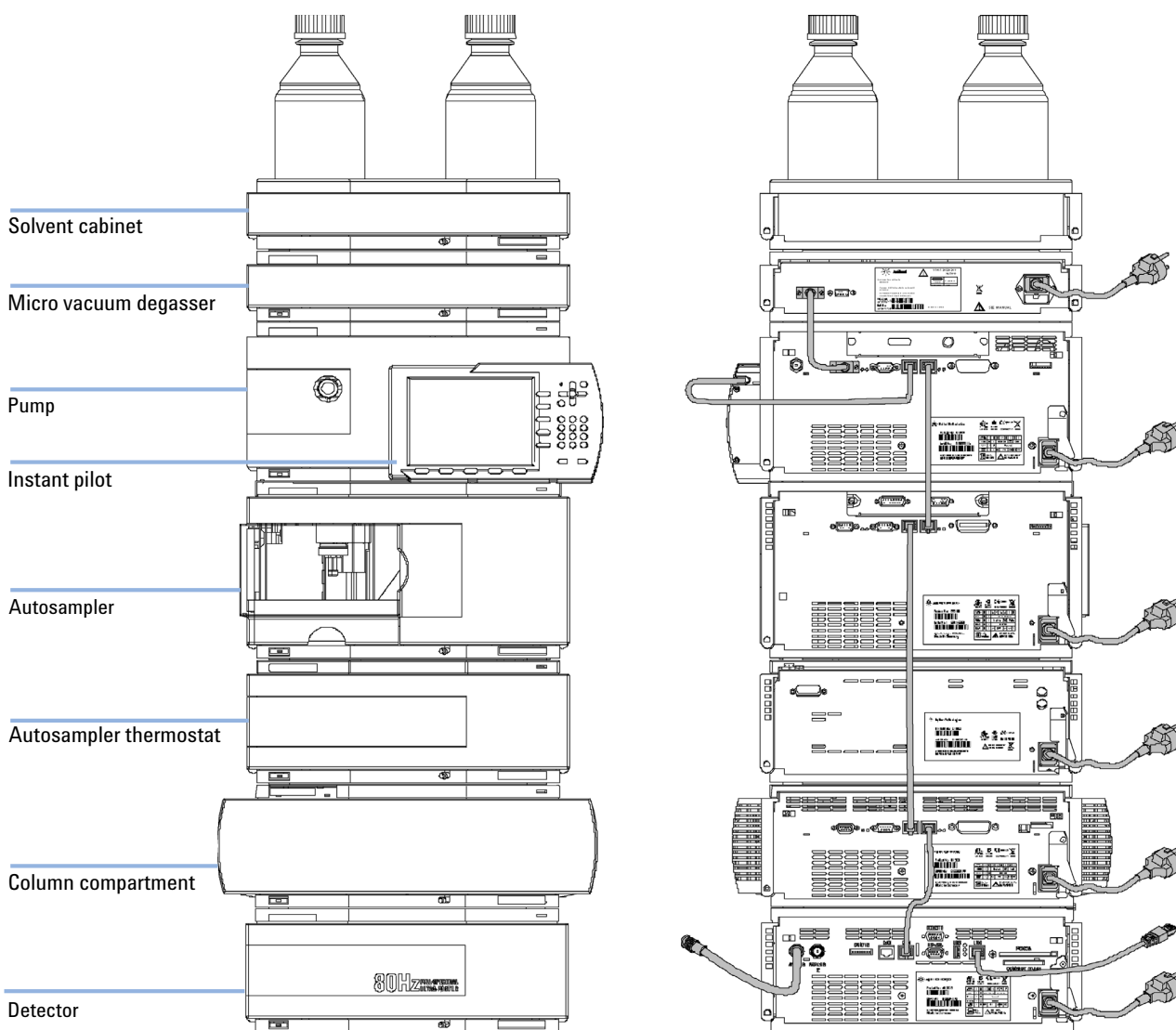
Type	Specification	Comments
Weight	7 kg (16 lbs)	
Dimensions (width × depth × height)	345 x 435 x 80 mm (13.5 x 17 x 3.1 inches)	
Line voltage	100 – 240 VAC, ± 10%	Wide-ranging capability
Line frequency	50 or 60 Hz, ± 5%	
Power consumption	30 VA / 30 W / 102 BTU	Maximum
Ambient operating temperature ¹	0 – 55 °C (32 – 131 °F)	
Ambient non-operating temperature	-40–70 °C (-4–158 °F)	
Humidity	< 95%, at 25–40 °C (77–104 °F)	Non-condensing
Operating Altitude	Up to 2000 m (6500 ft)	
Non-operating altitude	Up to 4600 m (14950 ft)	For storing the module
Safety standards: IEC, CSA, UL	Installation Category II, Pollution Degree 2	For indoor use only. Research Use Only. Not for use in Diagnostic procedures

¹This temperature range represents the technical specifications for this instrument. The mentioned temperatures may not be suitable for all applications and all types of solvents.

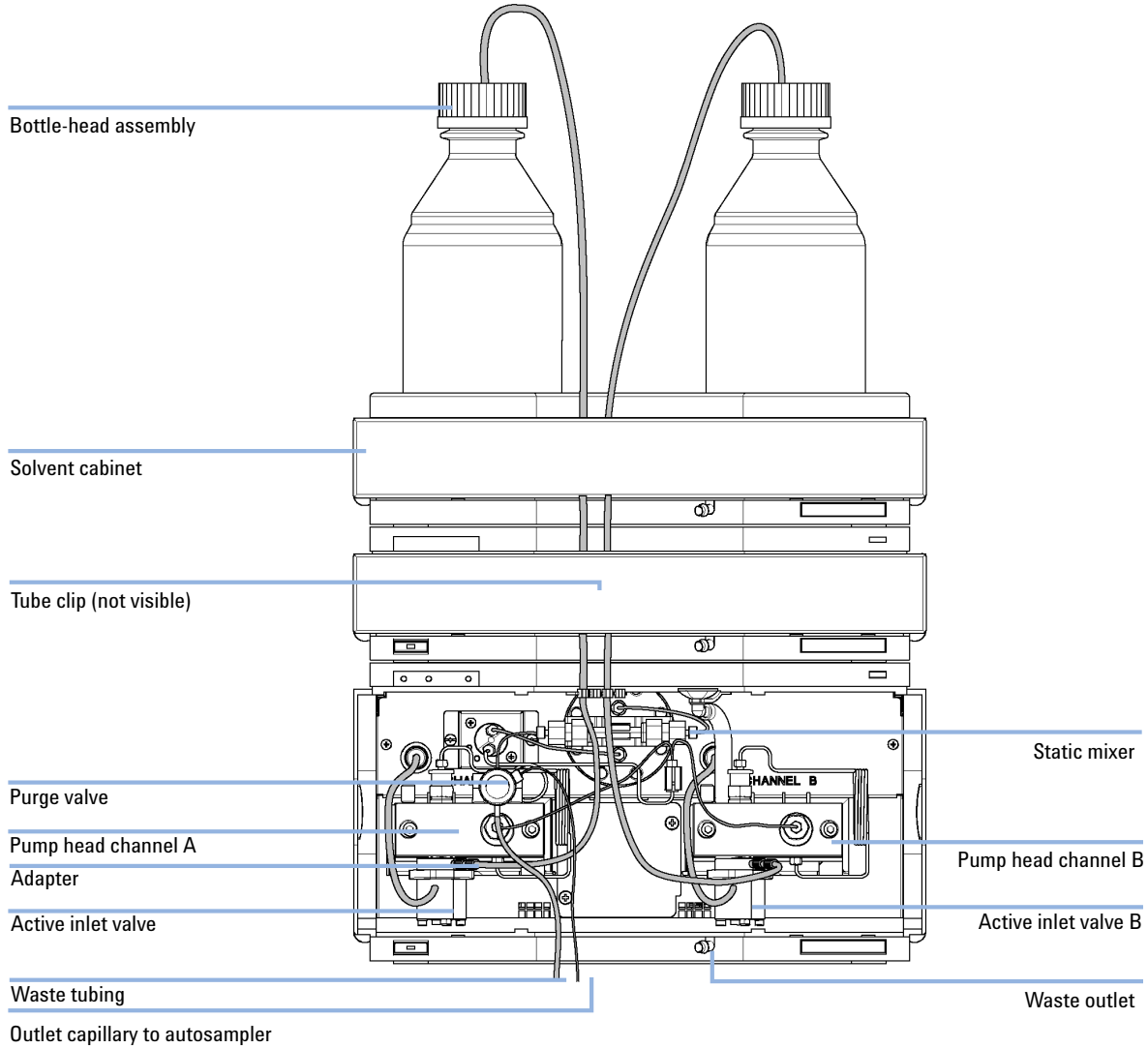
Performance Specifications Agilent 1200 G1379A

Type	Specification
Maximum flow rate	0 - 5 ml/min per channel
Number of channels	4
Internal volume per channel	Typically 1 ml per channel
Materials in contact with solvent	PTFE, FEP, PEEK
pH range	1 – 14
RS-232 output	For diagnostic purposes

Recommended Stack Configuration Agilent HPLC system



FlowConnection to the Micro Vacuum Degasser



Source: Agilent 1200 Series Micro Vacuum Degasser