

Vanquish Access HPLC Pre-installation Checklist

Use this checklist in conjunction with the Pre-Installation Requirements Guide for the Thermo Scientific™ Vanquish™ Access HPLC system, to ensure adequate preparation prior to the start of an installation. Complete the checklist and return to your installation contact/coordinator when ready to schedule your installation.

No.	Item	Check to Acknowledge	
1	All laboratory remodeling/building has been completed.	<input type="checkbox"/>	
2	Principal operator will be available during the installation / certification period.	<input type="checkbox"/>	
3	Available floor area is sufficient and flooring will support the load.	<input type="checkbox"/>	
4	Sufficient bench space is available for all of the equipment. List the following:	<input type="checkbox"/>	
	Width:		
	Depth:		
	Height:		
5	Workbench can support the load of the LC system up to 100 kg (190 lbs) and is free from vibration.	<input type="checkbox"/>	
6	Lighting is adequate.	<input type="checkbox"/>	
7	Main power is installed and is in compliance with local electrical safety laws.	<input type="checkbox"/>	
8	Power is free from fluctuations due to slow changes in the average voltage or changes due to surges, sags, or transients.	<input type="checkbox"/>	
9	Air conditioning is adequate for temperature, humidity, and particulate matter control. The laboratory can be maintained at a constant temperature, between 10 and 30 °C (50 and 86°F).	<input type="checkbox"/>	
10	Relative humidity is between 20% and 80% with no condensation.	<input type="checkbox"/>	
11	The laboratory has adequate ventilation.	<input type="checkbox"/>	
12	System work area is free from magnetic disruption and electrostatic discharge.	<input type="checkbox"/>	
13	The following HPLC grade chemicals must be available: <ul style="list-style-type: none"> • Water (Fisher Scientific Catalog No. W5-1, or equivalent) • Methanol (Fisher Scientific Catalog No. A452-1, or equivalent) • Isopropanol (Fisher Scientific Catalog No. A416-1, or equivalent) • Formic Acid (for rear seal wash) Note – LC/MS Grade chemicals are also acceptable, e.g. Fisher Optima.	<input type="checkbox"/>	
14	All relevant safety regulations are complied with.	<input type="checkbox"/>	

No.	Item	Check to Acknowledge
15	Your laboratory has a waste disposal system for solvents and located below bench level. Waste reservoir, minimum 2 L.	<input type="checkbox"/>
16	Computer system purchased with the instrument: Yes: <input type="checkbox"/> No: <input type="checkbox"/>	
17	Computers supplied by the customer must meet minimum specifications for operating the Chromeleon version being used with the Vanquish system. (see attached requirements)	<input type="checkbox"/>
18	For Customer supplied computers, the service engineer will need to have administrative privileges on the computer during the installation. Alternatively, a customer representative with these privileges must be present during installation. <i>Delays to installation due to lack of IT support may result in a billable charge.</i>	<input type="checkbox"/>

1. Provide requested additional information:

Are there any local characteristics that could influence the installation? If YES , please attach details of characteristics.	Yes: <input type="checkbox"/>	No: <input type="checkbox"/>
Have any special acceptance specifications been agreed to as a term of sale? If YES , please attach full details of specifications.	Yes: <input type="checkbox"/>	No: <input type="checkbox"/>
Is there any additional equipment that needs to be interfaced to the system? If YES , please attach full details of additional equipment.	Yes: <input type="checkbox"/>	No: <input type="checkbox"/>

2. Confirm space/weight suitability:

Please calculate the total required bench space from the dimensions listed below. These dimensions include the required venting space surrounding the instruments. Please note the total weight, especially if the system will be installed on a lab cart.

Component	Height		Width		Depth		Weight	
	cm	in	cm	in	cm	in	kg	lbs
Vanquish Access HPLC system	82	32.3	55	21.7	62	24.4	75	165.3

Minimum bench-top space requirements for the installation of a Vanquish UHPLC system with different numbers of VTCCs (Vanquish Column Compartment H) excluding data system and printer):

LC System	Width		Depth	
	cm	inch	cm	inch
Vanquish Access HPLC system	64	25.2	62	24.4

3. Pre-installation system familiarization information:

Please use the following QR code or URL to access Vanquish and UltiMate system familiarization information. This information will provide all necessary familiarization points for new users and should be reviewed prior to your installation. At the time of installation, your service engineer will review this information in-person and can answer any questions you may have.



www.thermofisher.com/myLC

4. Provide any additional notes or comments for installation:

5. Sign/Date for confirm readiness for installation:

Customer: _____ Date: _____

Addendum – PC Requirements

PC Hardware Requirements

The table below shows the minimum and the recommended PC configuration for a **stand-alone** installation of Chromeleon 7.3.2. PCs meeting **minimum** requirements may be sufficient for some low-demand applications, but will not provide satisfactory performance in many applications. PCs meeting **recommended** requirements should be suitable for general applications.

The following information is valid for Chromeleon 7.3.2.

Type		Specification
Processor		
	Recommended / Minimum	3.0 GHz Intel Dual Core i7* or better
RAM		
	Recommended / Minimum	16 GB or greater
Secondary storage		
	Recommended / Minimum	120 GB HDD or SSD*
Optical Drive		DVD

Type		Specification
Display		
	Recommended / Minimum	1440 x 900 or higher resolution Chromeleon has been tested with monitors set to 96 DPI at 100% scaling. Other DPI and scaling values may cause UI elements to display incorrectly.
USB Ports		
	license device: Thermo Scientific modules: Refer to the <i>Chromeleon 7 Online Help</i> for further information with regard to specific modules.	1 port 1 or more additional port(s)

*These hard disk requirements are set to enable storage of a substantial amount of data. The software itself requires approximately 8 GB disk space on the C drive (twice as much during an update). In addition, a few GB disk space must always be available on the C drive for sequences cached in the XVault™. Chromeleon will benefit from the increased speed of solid state drives (SSD). For more information refer to the Chromeleon Installation Guide.

PC Operating System Requirements

Chromeleon 7.3.2 has been validated for stand-alone use on Microsoft Windows 10 Enterprise (64-bit edition), Microsoft Windows 8.1 Pro (64-bit edition) and later is also validated, but use is strongly discouraged.