

PLV50 Vacuum Probe System

Facility Planning Guide



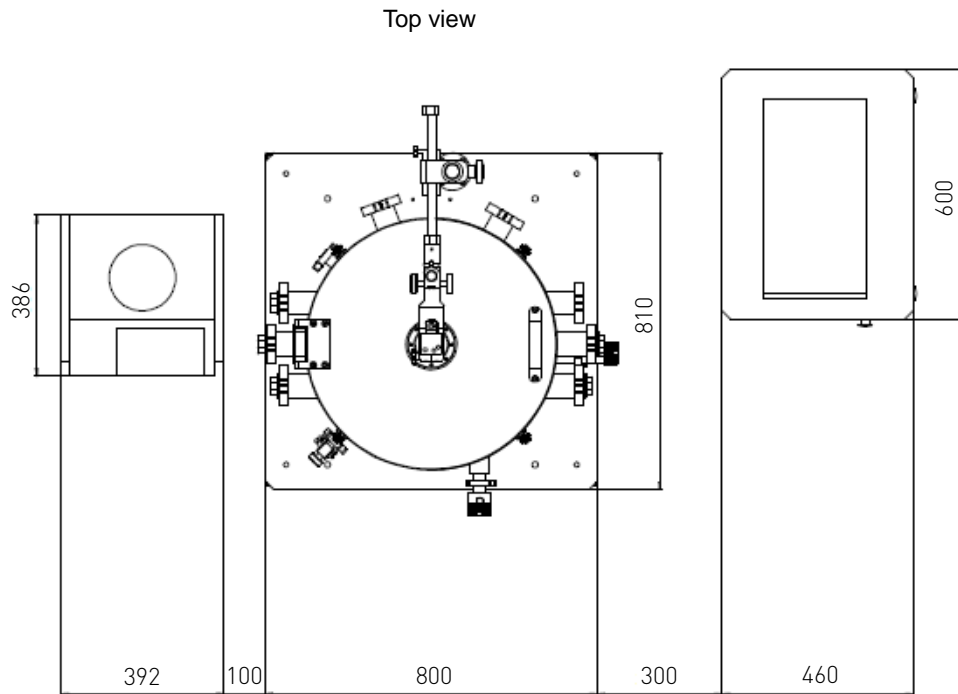
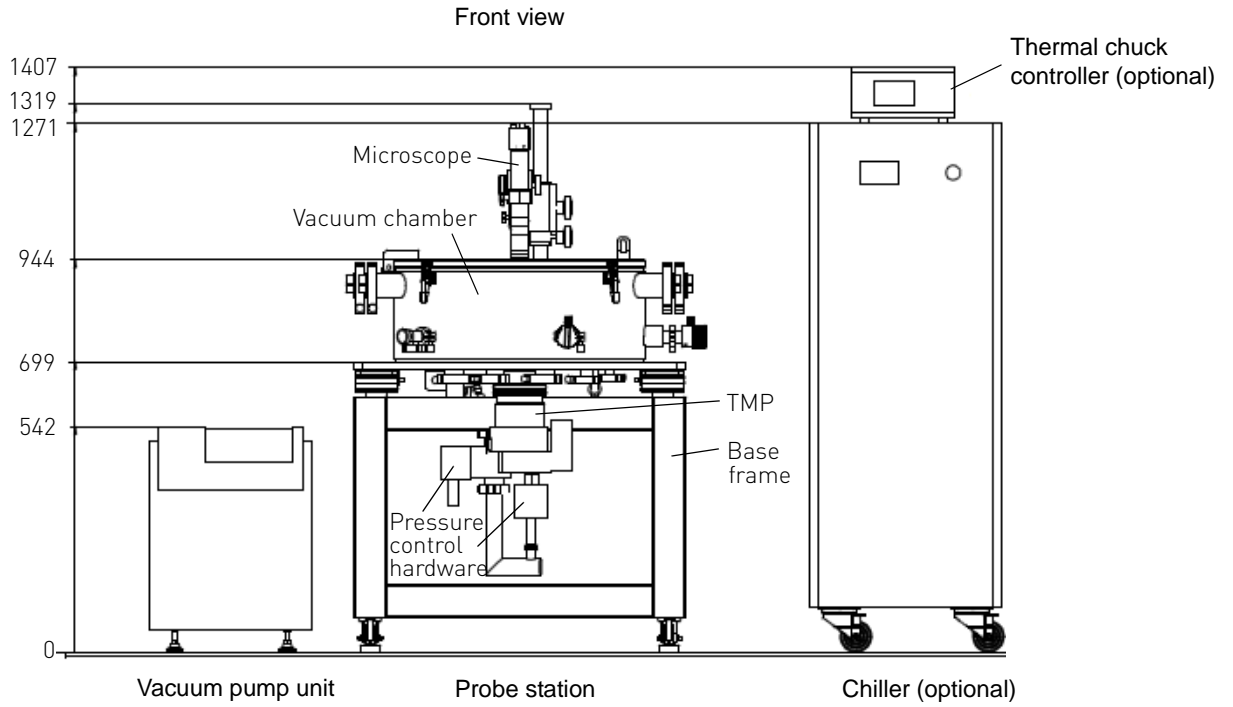
This guide contains information to help prepare your facility for the arrival of your PLV50 probe system.

Probe System Requirements

Utilities Required	Compressed air, station	<ul style="list-style-type: none"> • Filtered, dry and oil-free • Minimum 5 bar to 6 bar maximum • Flow rate insignificant • 8 mm hose (US 5/16")
	Compressed air, thermal chuck	<ul style="list-style-type: none"> • -25°C: 250l/h @6bar, dew point <0°C, tube d=10mm • -40/60°C: 450 l/min @6bar, dew point <0°C, tube d=10mm
	Dry nitrogen input	Class 4.5 or better, input 4 bar; 60 l per purging cycle
Dimensions	Station	848 (W) x 874 (D) x 940 (D) mm (H), (1270 mm (H) with microscope)
	Chiller	460 (W) x 600 (D) x 1270 (H)mm
Weight	Probe station	250 kg
	Pump station	20 kg
	Chiller	110 kg
Temperature	Operating range	5° C to 40° C
	Optimal operating range	19° C to 24° C
	Target temperature	22°C
	Electronics rack	Ventilators and air expellers must be kept clear for air circulation at all times.
Environment	Humidity	25% to 60%
	Pollution Level	1 IEC 664
	Heat output	typ. 1000W
Vibrations	The facility should be free of vibrations caused by other equipment.	
Electrical Data	Power supply, station	115V/230V, 50/60 Hz with plug
	Power supply, thermal chuck	208-240V, 50/60Hz, 3000VA
	Protection class	I
	Transient overvoltage	Overvoltage category II (IEC 60364-4-443)
	Fuse for main power connector	Lead in fuse 16 A (sluggish fine delayed)
Shipping Dimensions and Weight	Station	<ul style="list-style-type: none"> • 1100 mm x 1800 mm x 1600 mm • Weight: 300 kg
	Chiller, accessories (optional)	<ul style="list-style-type: none"> • 1000 mm x 1300 mm x 1300 mm • Weight: 300 kg

PLV50 Vacuum Probe System

Dimensions (in mm)



PLV50 Vacuum Probe System

© Copyright 2011 Cascade Microtech, Inc.
All rights reserved. Cascade Microtech is
a registered trademark of Cascade
Microtech, Inc. All other trademarks are
the property of their respective owners.

Data subject to change without notice.

Cascade Microtech, Inc.
Corporate Headquarters
toll free: +1-800-550-3279
phone: +1-503-601-1000
email: cmj_sales@cmicro.com

Germany
phone: +49-89-9090195-0
email: cmg_sales@cmicro.com

Japan
phone: +81-3-5615-5150
email: cmj_sales@cmicro.com

China
phone: +86-21-3330-3188
email: cmc_sales@cmicro.com

Singapore
phone: +65-6873-7482
email: cms_sales@cmicro.com

Taiwan
phone: +886-3-5722810
email: cmt_sales@cmicro.com

