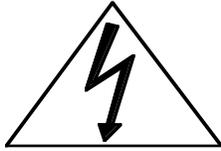
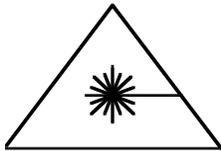


The Quick Start Procedure contained on the backside of this card is intended to supplement, but not to replace, the Vitesse Operator's Manual. It is strongly advised that personnel without previous instruction and training read the Vitesse Operator's manual in its entirety before installing the laser system.



There are no customer serviceable parts in the laser head or power supply. Refer to the Vitesse Operator's manual for a complete discussion on "Electrical Safety" when operating this laser system.



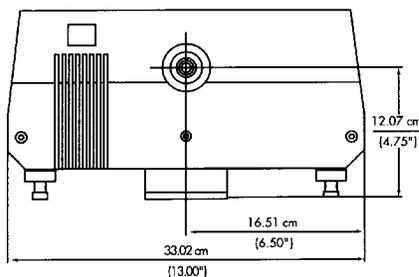
This device emits visible and invisible light; always wear safety glasses and avoid reflections. Refer to the Vitesse Operator's manual for a complete discussion on "Optical Safety" when operating this laser system.



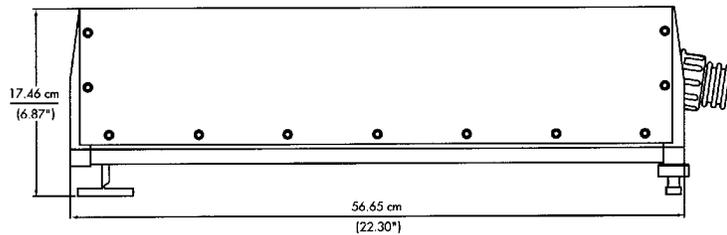
The Vitesse laser system is sensitive to temperature. Upon receiving the system it is recommended that the system be unpacked and allowed to stabilize to room temperature before initial operation. Connecting and running the water chiller will speed up this process.

DIMENSIONS

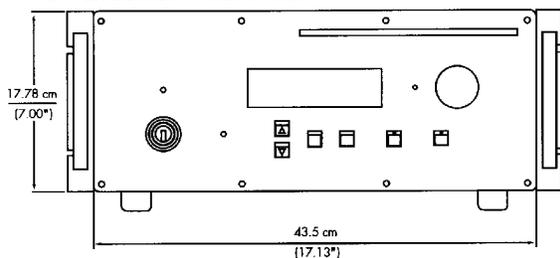
LASER HEAD – FRONT VIEW



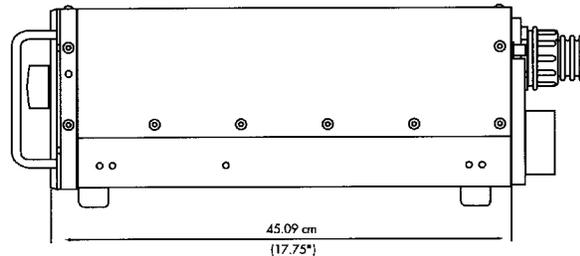
LASER HEAD – SIDE VIEW



POWER SUPPLY – FRONT VIEW



POWER SUPPLY – SIDE VIEW



Installation

1. Hook the laser head to the chiller using the provided hardware, see Figures 1 - 3.
Note, for increased visibility the umbilical has been removed from the laser head in Figure 3.



Figure 1. Cooling Connection Hardware



Figure 2. Chiller Hardware Installed



Figure 3. Head Hardware Installed

2. Fill the chiller reservoir with distilled water, start the chiller (see Figure 4), and inspect all connections for leaks.

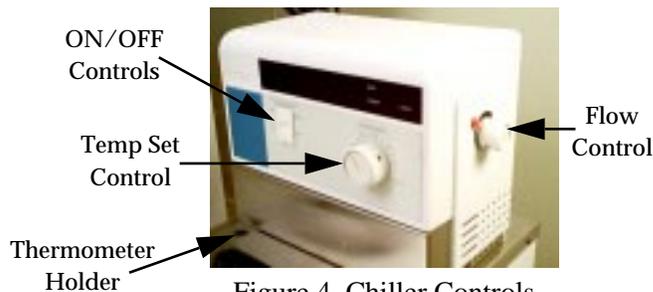


Figure 4. Chiller Controls

3. Locate the “Customer Data Sheet”. Set the flow rate to maximum (full clockwise rotation) and the chiller temperature setpoint indicated on the Customer Data Sheet (approximately 25°C).
4. Install the External Interlock defeat, or hook the system to an External Interlock circuit. See Section Six of the Operator’s manual for an example external interlock circuit.
5. Plug-in the Vitesse power supply and enable the AC power from the rear panel of the power supply (P/S). Turn the P/S key to the “Standby” position.
6. Adjust the chiller setpoint until the “base plate temp”, as displayed on the front panel, is within 0.5°C of the manufacturing value. Be sure to wait at least 10 minutes between temperature adjustments for the system to fully equilibrate.
7. Once the targeted temperature is reached, the system should be left to thermally stabilize for **two** hours.
8. Setup a power meter to catch the output from the Vitesse head. Switch the P/S key from “Standby” to “ON” and press the “Shutter Open” button. The system should modelock with in 10 minutes. If the system does not modelock, or if a fault message is displayed, refer to Section Five of the Operator’s manual.