Cooled liquid block needs to be isolated from air humidity to minimize risk for condensation and thermally insulated for best performance.
Warning:
Do not reverse current or use PWM-regulation on fan supply

Typical Pressure – Flow behavior of liquid block assembly. (for more information contact Laird Technologies customer service)
Installation and Service manual

**Installation:**

1. The TE assembly must be protected from external force or violence.

2. The power line to the assembly needs to be protected by a fuse. The fuse rating should be of at least the nominal current of the assembly. It must withstand 150% of rated current for at least 60 seconds.

   This is valid at Ta=35°C. Fuse ratings for other ambient temperatures (x°C) can be calculated with the formula I[x°C]=I[35°C]/(1+0.005*(x-35)).

   This is valid when regulating with an ON/OFF regulation. At rapid temperature cycling where this is applicable, there can be need for even higher fuse ratings.

3. Cooled parts needs to be isolated from air humidity to minimize risk for condensation and thermally insulated for best performance.

4. Max ripple on supplied power ~5%.

5. Switching power to TEM/s at frequencies between 0.01 Hz to 5 kHz will render premature failure of modules and must be avoided.

**Service:**

Fan impellers and heat sinks must be cleaned on regular intervals to reduce risk for overheating and reduction of cooling function. The interval may vary depending on environment.