

<b>Title:</b>	<b>On Cooling Unit Fuse is Blowing</b>	<b>ID:</b>	
		0163	
<b>Date in:</b>	<b>Response:</b>	<b>Model:</b>	<b>Author:</b>
2004-09-24	2004-09-24	STX40	CMa

**Q:**

We have a Liconic model STX40 refrigerated incubator, serial number 1286HC installed here on a system. Our technicians have noticed that if the power is turn on within about 10 minutes of turning it off, then the main 8A fuse will blow. (Line voltage is 120Vac). This is not acceptable to the customer. Is there anyway we can resolve this problem?

**A:**

You may put two 10A/Slow fuse (e.g. Schurter T10A / IR 1000A, Type SPT PNr. 0001.2514). The power can be very high when the incubation chamber is warm or after start-up until the evaporator is completely cooled. You also have a lot of power when you turn the unit off for a short time and the compressor has to start against pressure.

**Q:**

Thanks for the information. I think our technician already tried a 10A slow blow (not sure which brand) but then had problems with the UPS breaker. However, I'll see if we can get the fuse you mentioned and check it again.

**A:**

The fuse (1) and the circuit breaker (2) a separate issues.

On (1) it needs to be a very slow blow fuse because of extremely high current peaks on start-up of the compressor.

On (2) note that the compressor draws peak current on start-up off ~30A. If your UPS cannot handle this we have the possibility to have two power connectors: One for the low power part (handling ..) and one for the high power (climate). The low power part require ~100W max. only.