These instructions provide steps to install the Chiller Setup Kit plumbing fixtures (P/N: 163-127101-XX) and Chiller Setup Kit air ducts (P/N: 163-133108-XX), which are integrated into the Teyu chiller for all CP4450-RGB projectors.

Before running the chiller, ensure that the chiller reservoir is filled with the required coolant. Never operate the chiller before adding coolant.

Affected products

The following products are affected.

- CineLife+ RGB PLF projectors using the Teyu 6200 50 Hz chiller

Prerequisites

The following components are required.

- Chiller Setup Kit (plumbing fixtures) P/N: 163-127101-XX
- Chiller Setup Kit Air Ducts P/N: 163-133108-XX

Required Tools

- #2 Phillips or flat head screwdriver

Unpacking the chiller setup kit

Do not dispose of the chiller accessories box marked 'Industrial Chiller Accessories'. Keep the box and its contents (a fuse and a ball valve handle) for potential future use.

Open the Chiller Setup Kit (P/N: 163-127101-XX) and the Chiller Setup Kit Air Ducts (P/N: 163-133108-XX) and ensure the following contents are present:

- Ten (10) worm gear clamps (P/N: 000-109325-XX)
- One (1) 75-mm outlet hose (P/N: 000-109320-XX)
- One (1) 75-mm inlet hose (P/N: 000-109321-XX)
- One (1) 760-mm inlet hose (P/N: 000-109324-XX)
• One (1) 11000-mm outlet hose (P/N: 000-109323-XX)
• One (1) 11000-mm inlet hose (P/N: 000-109322-XX)
• One (1) 303-mm chiller duct (P/N: 000-109128-XX)
• One (1) 198-mm chiller duct (P/N: 011-109164-XX)
• 1 funnel (P/N: 002-121822-XX)

Attaching the hose accessories kit

1. Attach the 760-mm inlet hose (P/N: 000-109324-XX) to the chiller Inlet port:
a) Thread a worm gear clamp over one end of the hose.

b) Firmly push the hose onto the *Inlet* port.

c) Using a #2 Phillips or flathead screwdriver, tighten the worm gear clamp over both the hose and *Inlet* port as shown in the photograph until the hose bulges slightly on either side of the clamp. This level of tightness prevents leakage.
2. Attach the other end of the 760-mm hose (P/N: 000-109324-XX) to the filter canister outlet port as shown.

3. Attach the 75-mm outlet hose (P/N: 000-109320-XX) to the chiller Outlet port:
   
   a) First, thread a worm gear clamp onto the ‘chiller’ end of the 75-mm hose.
   
   b) Then, firmly push the hose end onto the chiller Outlet port.
   
   c) Using a #2 Phillips or flathead screwdriver, tighten the worm gear clamp over both the hose and Outlet port until the hose bulges slightly on either side of the clamp.
4. Attach the 75-mm inlet hose (P/N: 000-109321-XX) to the filter canister inlet port using the same method as described in Step 3 above.
Attaching the hoses

The next operation in the chiller setup procedure is attaching the hosing.

1. Attach the Chiller Outlet hose (P/N: 000-109323-XX) to the chiller Outlet port:

   Before attaching the 11-meter hoses, note that they are labeled Chiller Inlet and Chiller Outlet.

   When tightening worm gear clamps onto fittings, tighten enough to cause the hose to bulge slightly on either side of the clamp. This level of tightness prevents future leaks.

   a) Thread a worm gear clamp onto the hose at the attachment end of the hose (the end without the fitting).
   b) Firmly push the hose onto the elbow adapter.
   c) Use a #2 Phillips or flathead screwdriver to tighten the worm gear clamp over the hose onto the elbow adapter.

2. Attach the Chiller Inlet hose (P/N: 000-109322-XX) to the filtration unit inlet port:
Take care when moving and locating the Chiller Inlet hose. The quick disconnect fixture on the projector-connection side, while manufactured from durable plastic, is breakable under rough handling.

a) Thread a worm gear clamp onto the hose at the attachment end of the hose (the end without the fitting).

b) Firmly push the hose onto the elbow adapter.

c) Use a #2 Phillips or flathead screwdriver to tighten the worm gear clamp over the hose onto the elbow adapter.

Installing the chiller ducts

The final operation is to install the chiller duct or ducts, dependent upon the size of the onsite exhaust duct hoses.

1. Place the 12-inch (303 mm) duct (P/N: 000-109128-XX) on top of the chiller and center it over the fan as shown in the graphic above.

2. Adjust the position of the duct until one of the screw holes in the duct aligns with one of the fan guard brackets (shown in graphical step 1 above). This adjustment allows the screw to slot into the fan guard bracket as shown in the graphic below, which prevents shifting of the duct during chiller operation.
3. Evenly tighten the screws against the flange ring of the fan guard. The flange ring is shown on callout 3 above.

   Do not overtighten the screws. Overtightening warps the duct.

4. If required by the size of your on-site exhaust vent hoses, place the 8-inch (198 mmm) (P/N: 011-109164-XX) on top of the 12-inch duct.

5. Use the pre-drilled holes in the 8-inch duct and self-tapping screws (not included in the kit) to secure the smaller duct to the larger duct.

6. Connect the site exhaust vent hose to the duct.

Technical support

Technical support for Christie products is available at:

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- Europe, Middle East, and Africa: +44 (0) 1189 778111 or Support.EMEA@christiedigital.com
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- Christie Managed Services: +1-800-550-3061 or NOC@christiedigital.com