Precision Cooling
For *Business-Critical Continuity*™

Liebert XD Piping

X-Treme Density

The Liebert XD System is a pumped refrigerant-based cooling solution that solves the increasing kW heat load per rack problem in Data Centers and Computer Rooms, without consuming valuable floor space.

The Liebert XD Piping system allows you to pre-establish a cooling system infrastructure, enabling the ability to "Plug & Play" cooling modules as your heat load requirements change. Pre-fabricated distribution piping is installed in anticipation of a growing system, then XD cooling modules are added as required and are quickly made operational with flexible connection piping equipped with quick-connect fittings. This unique system allows the room cooling capacity to increase to more than 30kw per rack with no additional disruptive piping installation. The piping also allows the cooling modules to be re-positioned without interruption in operation.

The header distribution piping is available as 10 ft. segments with 5 or 10 ports, or 8 ft. segments with 2 or 4 ports. Each port has a ball valve and a quick-connect fitting. The port units are also available without the horizontal piping, so custom distribution piping may be put together on site.

The flexible piping between the header distribution piping and the Liebert XD modules (XDO, XDV, XDH and XD Coolframe) is available in 4, 6, 8 and 10 ft. lengths. It features one-shot type couplings for connection to the Liebert XD modules and quick-connect fittings for connection to the ports in the distribution piping.

The pumped refrigerant technology is ideal for use around electronic equipment. It operates at low pressure in the piping circuit and would become a gas at room conditions. Use of pumped refrigerant makes the system energy efficient and it also saves space with smaller piping requirements and the ability to utilize more compact heat exchangers.

Liebert XD Piping Offers Many Benefits:

Higher Availability:

- Allows re-positioning of cooling modules without interruption in operation.
- Allows interlaced XDP/XDC connection of the XD cooling modules in single row or dual row layouts.

Flexibility:

- Allows the Data Center to scale-up to a cooling capacity of more than 30kw per rack as your needs grow.

Lowest Total Cost Of Ownership:

- Allows your Data Center to adapt to changing heat load requirements with minimal up-front investment.

Liebert

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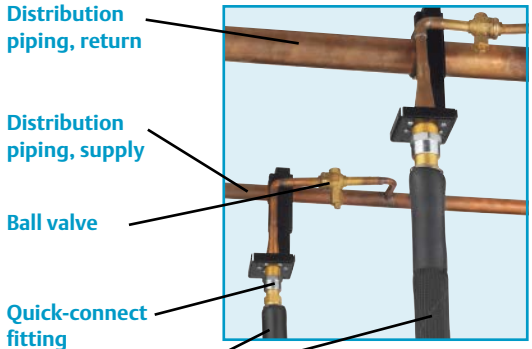
Liebert XD Piping

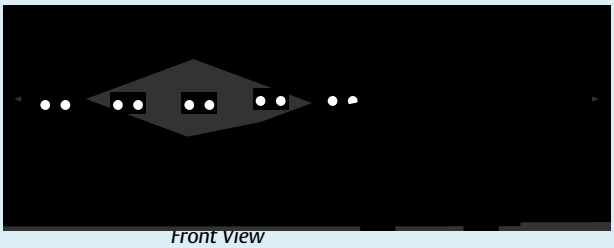
Liebert XD Piping allows for the addition of cooling modules as your heat load increases.



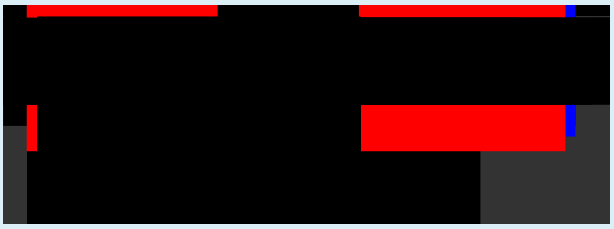
Flexible piping connected to distribution piping with quick-connect fittings

Liebert XD Piping Adaptability

"Plug & Play" Liebert XDVs into pre-fabricated piping infrastructure



Front View



Front View

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