

Zephyre

- The trim lack looks like a bad background. maybe use ISO view?



(n)Ice Box
(N)ice Box

Compact Hydronic Heating & Cooling Unit

Product Overview

Next Page?

(N)ice Box Cooling & Heating Unit

COMPACT

10" x 7.6" x 14"
H x W x L

INSTALLATION

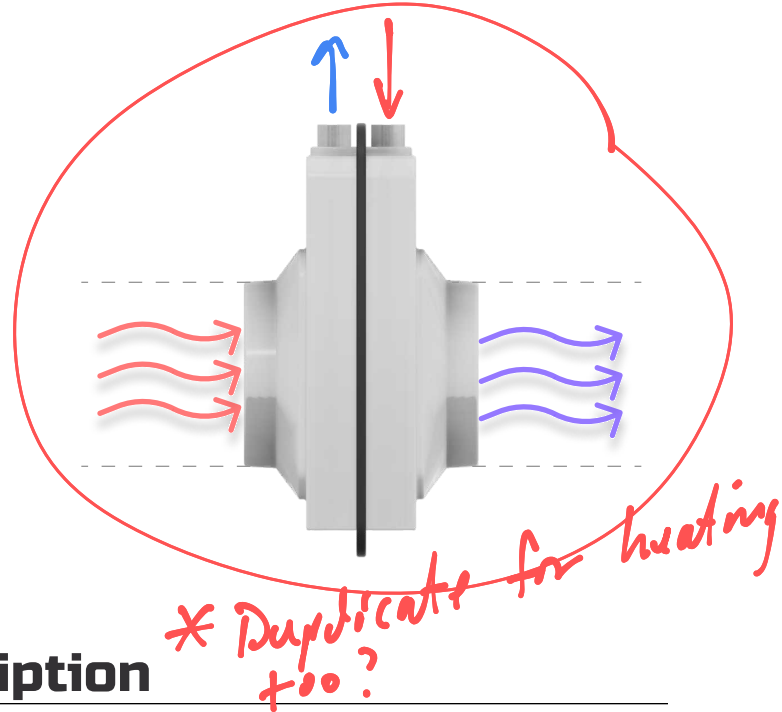
6" or 8" Flange

EFFICIENCY

12 BTU/Hr Heating capacity
40 BTU/Hr Cooling capacity

WARRANTY

1 Year Limited



Description

The Zephaire Air-to-Water Heat Exchanger is a compact, in-line unit designed to deliver efficient heating or cooling through any standard air ducting system. By connecting to a hydronic (water-based) heating or cooling source, the Zephaire transfers thermal energy directly into your airflow — providing reliable climate control without the complexity of traditional HVAC equipment. *and zoning options*

Engineered for maximum utility and unrivaled reliability, the Zephaire Z-1 performs in even the harshest environments. Its compact form factor and straightforward design make it ideal for a wide range of applications, from greenhouse climate management to commercial spot heating and cooling.

Key Features

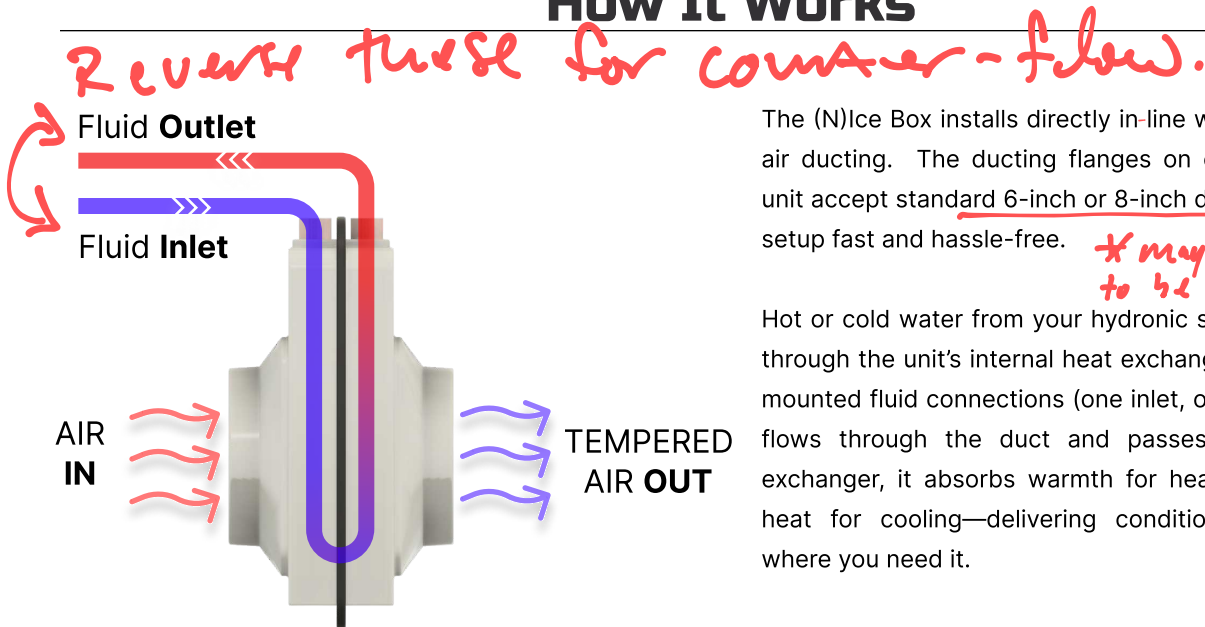
- **Compact Design** : Small footprint fits into tight spaces and can be hung or mounted in nearly any orientation.
- **Dual Duct Sizing** : *Options for* Compatible with both 6-inch and 8-inch standard air ducting for flexible installation.
- **Simple Connections** : Round flanges on each side and *1" ENPT* hydronic fittings *on the side* allow for quick, tool-friendly hookup.
- **Heat or Cool** : Works with both hot and cold fluids, giving you year-round climate control from a single unit.
- **Condensation Control** : Built-in condensation runoff management keeps cooling applications clean and drip-free.
- **Air Filtration Ready** : Integrated air filter slot lets you maintain air quality without additional hardware.
- **Coil Construction** : Copper and aluminum fin construction; 3/8" tubing and 1" headers with 12 fins per inch.

Applications

Zephair's versatile design makes it well suited for a broad range of heating and cooling scenarios:

- **Greenhouse Heating & Cooling** — Maintain optimal growing temperatures year-round with efficient hydronic climate control.
- **Inline Duct Heating & Cooling** — Add heating or cooling capacity to existing ductwork without major system changes.
- **Commercial Spot Cooling/Heating** — Direct conditioned air to specific work areas, server rooms, or retail zones.
- **Small Area & Zone Climate Control** — Condition individual rooms or zones independently for comfort and energy savings.
- **Industrial Process Tunnels** — Regulate air temperature in drying tunnels, curing chambers, and production lines.
- **Heat Recovery** — Capture heat from process equipment to be applied to HVAC needs

How It Works



The (N)Ice Box installs directly in-line with your existing air ducting. The ducting flanges on each end of the unit accept standard 6-inch or 8-inch ductwork, making setup fast and hassle-free.

** may need rewiring to be more clear.*

Hot or cold water from your hydronic system circulates through the unit's internal heat exchanger via two side-mounted fluid connections (one inlet, one outlet). As air flows through the duct and passes over the heat exchanger, it absorbs warmth for heating or releases heat for cooling—delivering conditioned air exactly where you need it.

Air Connections ** Options*

Inlet	6" or 8" Flange
Outlet	6" or 8" Flange

Fluid Connections ** Options*

Inlet	<i>* 1" FNPT or SharkBite fitting</i>
Outlet	<i>* 1" FNPT or SharkBite fitting</i> <i>* Default.</i>

General

Operating Modes	Heating or Cooling
Heat Exchange Type	Air-to-Water (Hydronic / <i>*can make use of other fluids</i>)
Condensation Management	Built-in condensate pan and fitting
Air Filtration	Integrated filter slot

Available Upgrades

CONDENSATION MANAGEMENT	Built-in condensate pan and fitting - 3ft hose & mounting ties
FILTER SET	MERV 8 filter - Standard dust and pollen filtration
HANG MOUNTING KIT	Adjustable mounting with steel cable and crimps
FITTING KIT	1" Sharkbite inlet & outlet connection - or - 1" FNPT connection (Default)

Did we finish designing this?
Need part #'s. for ERP.

** Do we need to design this and include w/ unit? or just provide photo examples?*

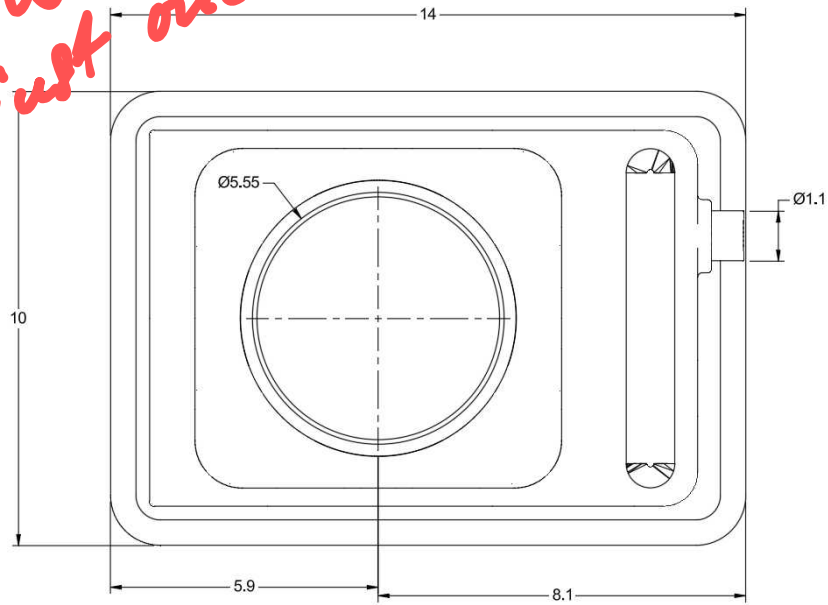
Dimensions

6" - pagel
should we
have just

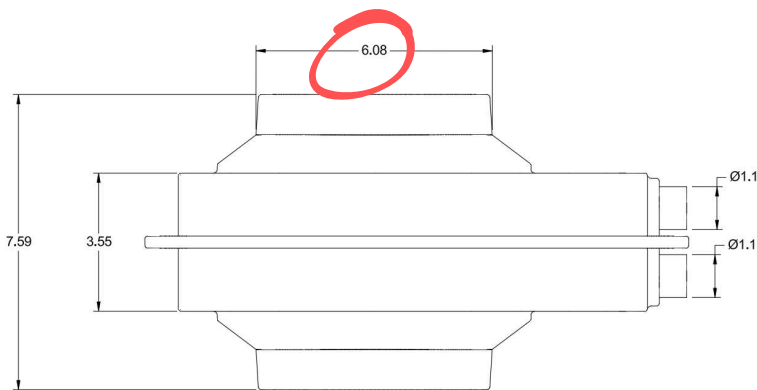
add an
one doc?

8" pagel and

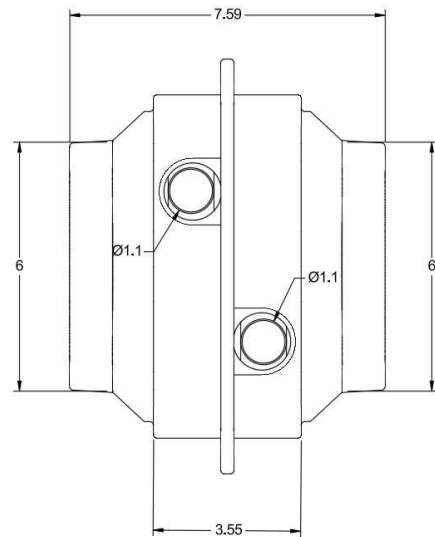
Front



Top



Side



Contact Us

Customer Service

PO Box 66032
Austin, TX 78766
USA

800.886.1353

support@chillxchillers.com

CHILLXCHILLERS.COM

Accessories and Parts

CHILLXCHILLERS.COM/CATEGORY/ACCESSORIES



Learn more at
CHILLXCHILLERS.COM

Zephyre

CHILLXCHILLERS.COM