

Zephyr



(n)Ice Box

Compact Hydronic Heating & Cooling Unit

Product Specification Sheet

Model

ZNB8012040R6

ZNB8012040R8

(n)Ice Box Cooling & Heating Unit

COMPACT

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

INSTALLATION

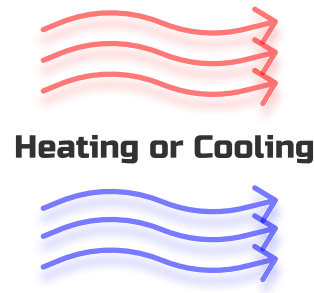
6" or 8" Flange

CAPACITY

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

WARRANTY

1 Year Limited



Description

The (n)Ice Box 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 (n)Ice Box transfers thermal energy directly into your airflow — providing reliable climate control and zoning options without the complexity of traditional HVAC equipment.

Engineered for maximum utility and unrivaled reliability, the (n)Ice Box 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 both 6-inch and 8-inch standard air ducting for flexible installation.
- **Simple Connections** : Round flanges on each side and 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

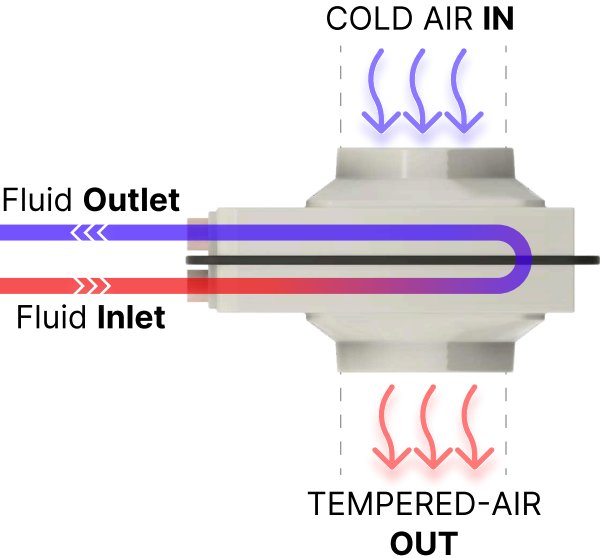
- **Greenhouse Heating & Cooling** — Maintain optimal growing temperatures year-round with efficient hydronic climate control.
- **Inline Duct Heating & Cooling** — Add heating or cooling capacity to existing ductwork without major system changes.
- **Commercial Spot Cooling/Heating** — Direct conditioned 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

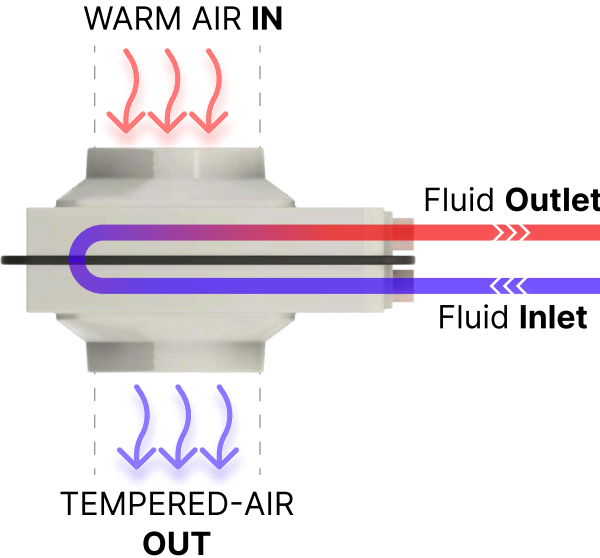
The (n)Ice Box installs directly in line with your existing air ducting. The ducting flanges on each end of the unit accept standard ductwork (6-inch or 8-inch options), making setup fast and hassle-free.

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.

Heating



Cooling



Air Options

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

Fluid Options

Inlet	Default 1" FNPT or SharkBite fitting
Outlet	Default 1" FNPT or SharkBite fitting

General

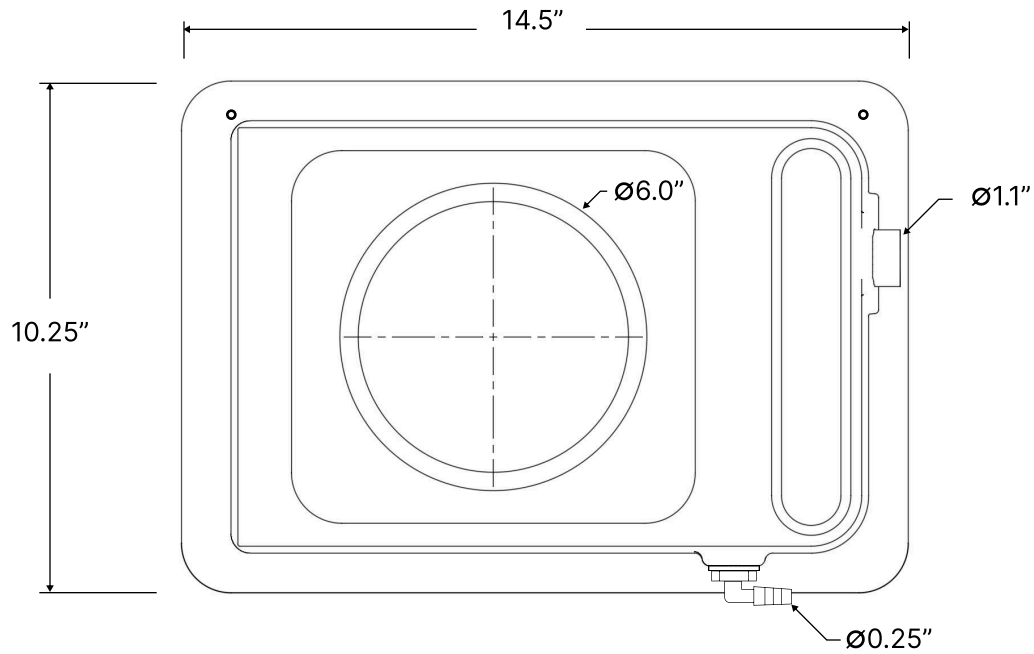
Operating Modes	Heating or Cooling
Heat Exchange Type	Air-to-Water (Hydronic / *can make use of other fluids)
Condensation Management	Built-in condensate pan and outlet fitting

Available Upgrades

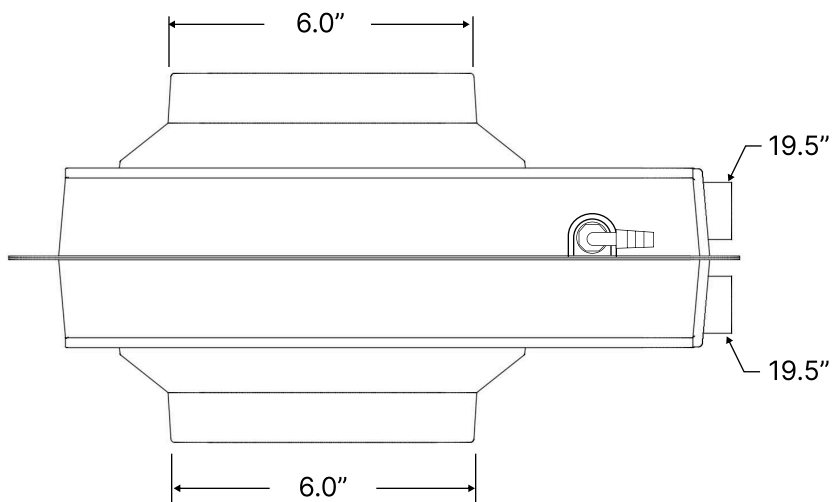
CONDENSATION MANAGMENT	3ft condensate hose & mounting ties
FILTER SET	MERV 8 filter - Standard dust and pollen filtration
HANG MOUNTING KIT	Adjustable mounting with steel cable and crimps

Dimensions - 6" Version

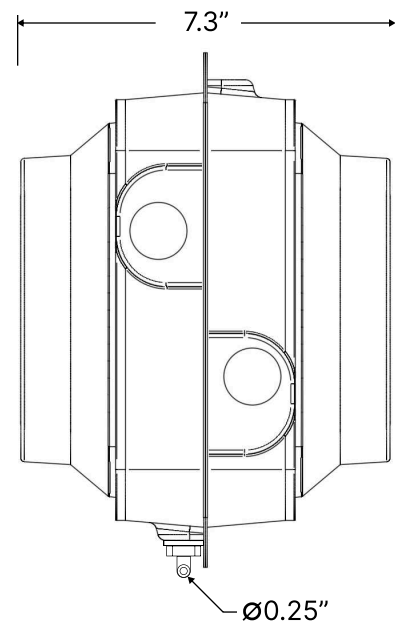
Front



Top

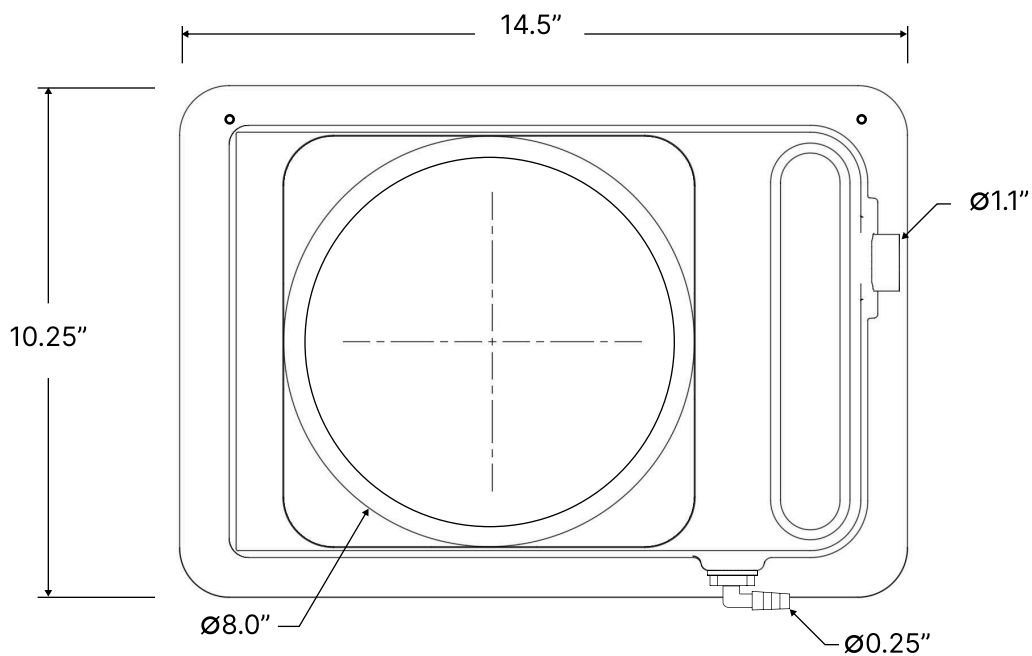


Side

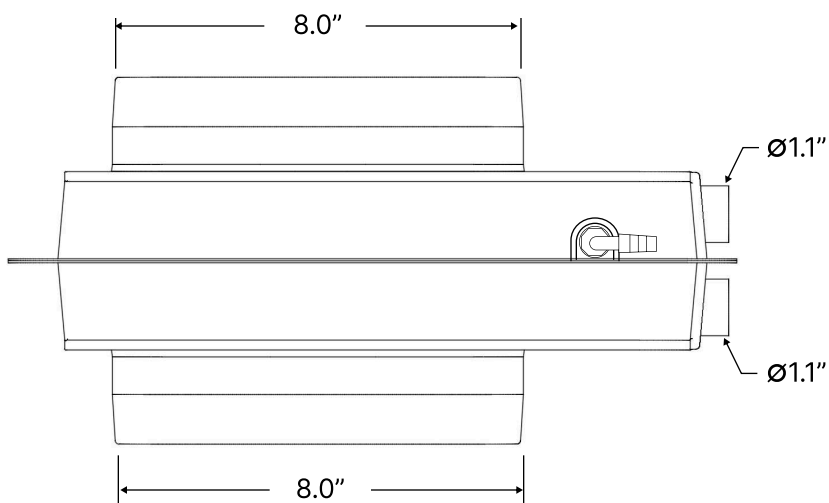


Dimensions - 8" Version

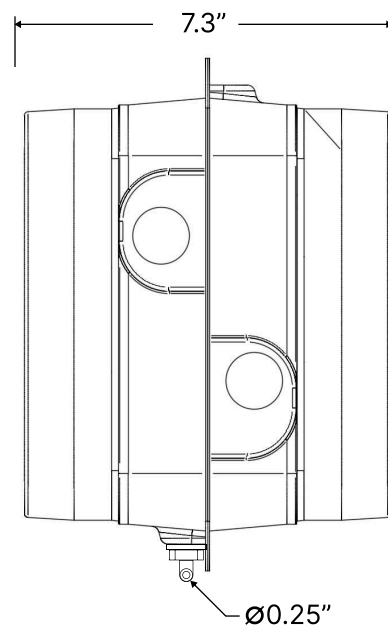
Front



Top



Side



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