Product CATALOG

DRYAIR

Heat Dry Thaw Cure

DryAir **manufactures a full line of modular components, ensuring that you have the right tools for the widest range of applications**

WWW.DRYAIR.CA

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CEO'S MESSAGE

Focused on Quality, Reliability and Efficiency

At DryAir we are focused on heat, namely hydronic heat as it is the industry's most efficient and controlled heat source. Hydronic heat is also the most versatile with the ability to heat air, liquids and solid objects, such as ground and concrete. Our hydronic heating units are available with a multitude of heating accessories to provide you with the flexibility to take on virtually any heating job.

In this catalog we are showcasing several **NEW** products that bring even more value to the temporary heating market:

Heat Center Pro NEW

This unit features a 900,000 Btu water heater in a trailered package with fan coils in the front and heat transfer hose on the hose reel in the rear. *See page 14*

1800 Central Heating Unit NEW

To meet the demand for more heat this Central Heating Unit brings forward all the versatility of the CHU line in a larger 1.8 million Btu size. *See page 8*

Hydro Heat Pro NEW

This exciting new product features a 1.8 million Btu water heater in a trailered package with two 2 million fluid-to-fluid plate heat exchangers. The Hydro Heat Pro is a natural fit for boiler tie-in applications, where boilers are being repaired or replaced. *See page 16*

To further expand the capability of the DryAir product line, we have developed two new accessories:

Light Tower NEW

This optional LED lighting system is used in conjunction with the 650 GTS GreenThaw™. The Light Tower allows the 650 GTS to be rented out for ground thaw and lighting, producing increased ROI in the rental industry. *See page 13*

Booster Link NEW

We are finding as of late that there are many jobs that require more heat. The new Booster Link accessory addresses this issue head on. The Booster Link is a heat exchanger that connects two DryAir heating units in series delivering more heat for demanding jobs. *See page 23*

As you review our product catalog, it will become apparent that hydronic heat provides higher quality, more reliable and efficient heating solutions than other heating methods. You will also better understand DryAir's dedicated focus to the hydronic heating market. DryAir leads the way with quality hydronic heating solutions and integrated accessories.

Myrlen Kleiboer, CEO
DryAir Manufacturing Corporation

WATER HEATER

Focused on Quality, Reliability and Efficiency

The water heater is the HEART of the DryAir hydronic solution.

At DryAir, our hydronic heating solutions incorporate a water heater to heat a food grade heat transfer fluid and pump it to the target destination. The energy from the heat transfer fluid is released when it passes through DryAir accessories such as fan coils, ground thaw hose or a plate heat exchanger to heat gases (air), solids or liquids. This efficient hydronic heating system delivers superior results with dry, clean and safe heat. As well, this refined system is a very controlled heat source allowing it to deliver the desired amount of heat evenly to the right location.

Our vertical water heater is the **HEART** of all DryAir hydronic systems. With measured thermal efficiency of 82% to 85% (depending on the model) the DryAir hydronic system has been found to be up to 10% more efficient than competitive models. Saving you money every time you use it! The water heater is also very durable as the vertical design is not prone to cavitation pockets that can result in structural failures like horizontal water heater designs. The DryAir water heater is larger and is built with more steel than competitor's units. For example, a DryAir water heater rated at 200,000 Btu/h weighs in at 450 lbs, whereas a competitive water heater rated at 311,000 Btu/h weighs only 138 lbs, that's 3 times heavier! As they say, "There is no replacement for displacement". The DryAir water heater is so robust and dependable it is backed up with a 5-year limited warranty.

In many jurisdictions, the use of a pressurized boiler or large water heater results in increased permitting, inspections and staff with boiler tickets. DryAir uses a non-pressurized water heater system with burners under 1 million Btu to minimize

WATER HEATER

Focused on Quality, Reliability and Efficiency

these overhead costs and timelines, which can significantly influence the success of your heating project.

Note: *The 1200 CHU model uses a third-party water heater.*

The water heater is the HEART; however, it takes a great deal of well designed, quality support components to produce a quality system.

DryAir's patented CEC system (Combustion environment control system) uses electric elements to pre-heat the combustion air and fuel to provide a smooth system start-up way down to -40°F. During operation, the patented fuel and combustion air temperature controllers circulate heating fluid, producing the ideal combustion environment for the burner in the widest range of ambient conditions. Wide outside temperature swings don't faze the DryAir hydronic systems, they hum right along!

The DryAir water heater is Tri-fuel capable, allowing operation with NG, LP or diesel fuel sources. Tri-fuel means only a burner change-out is required to quickly switch fuel sources, as all other Tri-fuel plumbing and componentry are permanently in-place. Now that defines work ready! The DryAir Tri-fuel system uses only quality Riello burners that are designed and set specifically for each of the three fuel sources, to deliver complete and efficient combustion. To move the heat transfer fluid, a quality Goulds pump is used for maximum uptime. The pump is protected with a pressure relief circuit and when pump service is required, convenient ball valves allow pump removal without draining the entire system. In any hydronic system, if the heat transfer fluid return temperature is too cold, catastrophic boiler/water heater failures can result from thermal shock. For additional water heater protection, DryAir has developed a thermal shock prevention circuit.

Monitoring the operation and health of a DryAir heating unit is made easy with pressure and flow gauges, along with DryAir's exclusive and smart light monitoring system. When all lights are on, the system is fully operational and producing heat. If a portion of the lights are off, the first light out provides diagnostic information of where the problem is located.

DryAir is focused on quality to ensure all our products perform to specifications. The heating systems are 100% tested to verify all components are fully operational before leaving the factory. In addition to functional testing, quality workmanship continues with a high focus on fit and finish. For example, powder paint is used throughout the DryAir product right down to the cast pipe fittings, to produce an aesthetically superior product that will stand the test of time.

Quality Riello burners that deliver complete and efficient combustion.

CENTRAL HEATING UNITS (CHU)

At DryAir we are focused on heat! Our modular Central Heating Units (CHUs) can be accessorized to take on practically any heating job, making them extremely versatile so they can be used more days of the year.

DryAir CHUs heat a food grade heat transfer fluid that is circulated through hoses or accessories to thaw ground, cure concrete, heat fluids, provide temporary heat to a building under construction or dry a flooded structure. This controlled hydronic heating system delivers dry and safe heat evenly and to the right location.

TRI-FUEL CENTRAL HEATING UNITS

CHUs are available in sizes from 400,000 to 1.8 million Btu/h with most CHUs available with the flexible Tri-fuel platform, allowing operation on LP, NG or diesel, after performing a burner change out. All system operations are thermostatically, and safety controlled. Monitoring is provided with gauges and DryAir's multi-light control panel, to provide instant performance and troubleshooting information.

ANTI-FLOW BACK SYSTEM NEW

Additional valving is now incorporated into the Central Heating Unit to prevent the potential of flooding the non-pressurized water heater when situated lower than the accessories (such as fan coils in a multiple story building). This new valving eliminates the need for an extended reservoir kit. ***(Available September 2022)***

CENTRAL HEATING UNITS

400 CHU

Fuel: NG or LP gas or diesel
Input: 354,960 Btu/h
Heat: 11,000 sq ft
Thaw: 6,000 sq ft
Cure: 14,000 sq ft
Dimensions: 51” l x 48” w x 74” h
Weight: 1,370 lbs

900 CHU

Fuel: NG or LP gas or diesel
Fuel capacity: 187 US gal (optional)
Input: 896,000 Btu/h
Heat: 27,000 sq ft
Thaw: 15,750 sq ft
Cure: 36,000 sq ft
Dimensions: 64” l x 57” w x 98” h
Weight: 2,800 lbs Dry, 4,100 lbs Wet

1200 CHU

Fuel: NG or LP gas
Input: 1,233,000 Btu/h
Heat: 40,000 sq ft
Thaw: 21,750 sq ft
Cure: 48,000 sq ft
Dimensions: 104” l x 45” w x 134” h
Weight: 1,815 lbs

CENTRAL HEATING UNITS

1800 CHU

NEW

Fuel: NG or LP gas or diesel
Input: 1,792,000 Btu/h
Heat: 54,000 sq ft
Thaw: 32,250 sq ft
Cure: 72,000 sq ft
Dimensions:
88” l x 48” w x 97” h
Weight: 3,840 lbs

STEAM CENTRAL HEATING UNIT

HESF 1000

The HESF 1000 Central Heating Unit is an excellent solution when there is a heating job with a steam source available nearby. The HESF 1000 uses a plate heat exchanger to tie into the low-pressure source boiler and transfers up to 1 million Btu/h to DryAir heating accessories, such as fan coils, to tackle the heating job at hand. Tying into the existing steam source eliminates the highest cost on any temporary heating project…fuel!

Heat Source: Low-pressure steam
Btu/h: 1,000,000
Heat sq ft: 40,000
Thaw sq ft: 18,000
Cure sq ft: 48,000
Dimensions: 47” l x 28” w x 75” h
Weight: 405 lbs

DO MORE WITH DRYAIR ACCESSORIES

Although the Central Heating units are commonly used with fan coils and/or with ground thaw hose, the versatility of the modular CHU design extends much further. DryAir has developed additional accessories such as the plate heat exchanger for liquid heating, the DryAir heat plates for tank and pond heating, the Mixing Booster which regulates concrete curing temperatures and the new Booster Link. The new Booster Link will allow a CHU to connect in series with another DryAir heating unit when a big job calls for more heat.

For additional information, refer to the Heating Accessories section and Accessory Integration Chart starting on page 18.

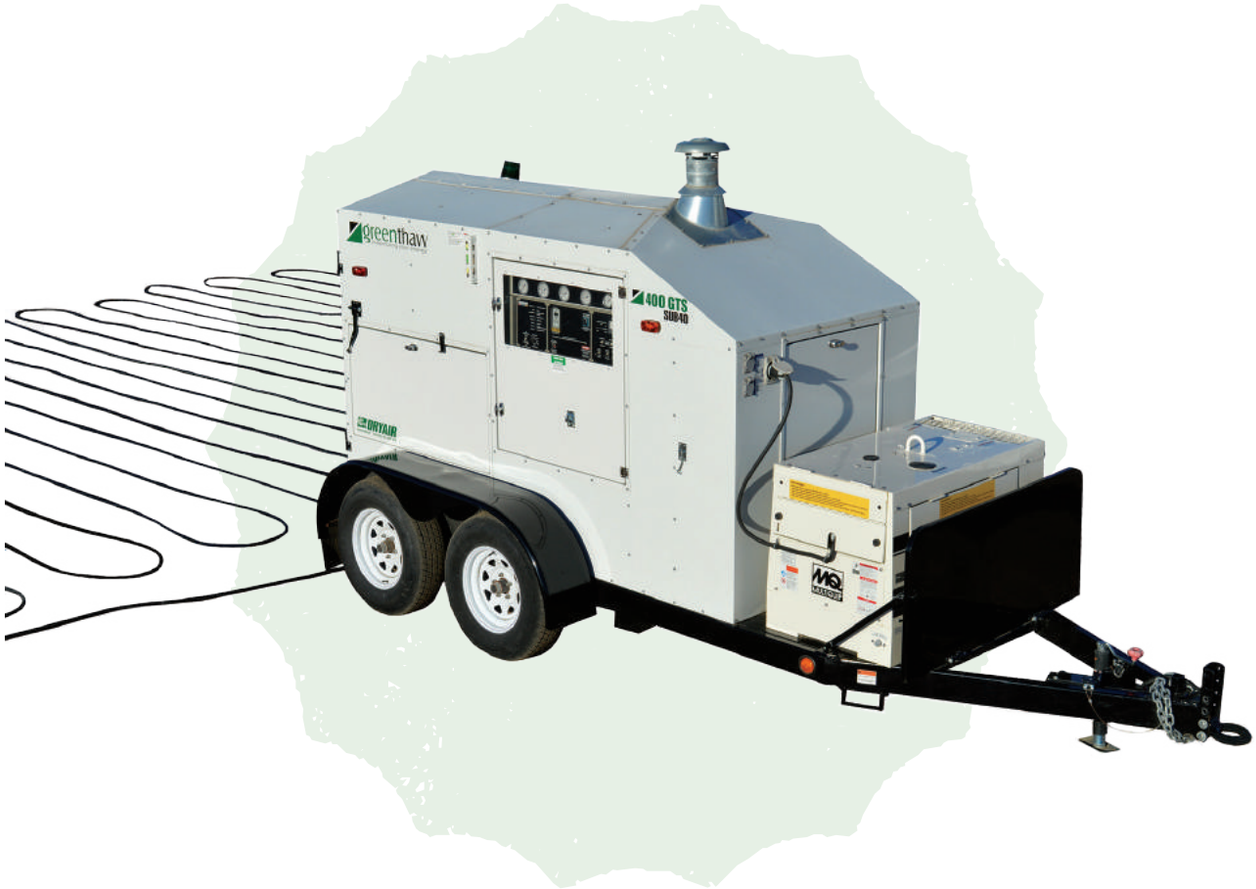
TRAILERED HEATING UNITS

The GreenThaw™ system, Heat Center Pro and Hydro Heat Pro are dedicated units that have all the necessary components on board for their specific duties. Inside, they use the same dependable and efficient design as our Central Heating Units with a Tri-fuel water heater system, smart and intuitive 8 light control panel and high-quality pump. On the outside, these trailered heating units are made right with sturdy powder coated frames, torsion suspension and corrosion proof aluminum clad enclosures.

Although the trailered units are designed for a dedicated task, the GreenThaw™ and Heat Center Pro are compatible and ready to work with any of the DryAir accessories, just like the Central Heating Units.

Drop in the hitch pin and go! The line-up of trailered heating units from DryAir are ready to "rock 'n' roll" at a moment's notice.

THE GREENTHAW™ SYSTEM (GTS)



GreenThaw™ System

The GreenThaw™ System connects the DryAir Tri-fuel water heater to a powered hose reel(s) full of 5/8” or 3/4” hose. The hose reels incorporate a variable speed drive with foot switch activation, in conjunction with a safe automatic reel braking and a torque limiting clutch system. This advanced DryAir design allows the layout of ground thaw hose to become a one-man operation. When the job is finished the hose reels have the power to roll-up charged hoses (no draining is required).

The primary functions for the GreenThaw™ are:

- **Ground thaw**
- **Frost prevention**
- **Concrete curing**
- **Heat tracing**

GreenThaws™ are ready to lay down the heat in any location and in any weather with certified diesel fuel tanks and optional generators on board. The MultiQuip 7 kWh generators are available with a 1500 hr long run or Arctic package, ensuring the job gets done with reduced maintenance and reliable performance in the harshest of conditions!

Note: All GreenThaws™ are equipped with a green strobe light on the roof to let you know from afar that the system is fully operational and producing heat.

THE GREENTHAW™ SYSTEM

The GreenThaw™ is also made to multi-task. Heat, thaw and cure all at the same time; utilizing DryAir accessories to get your job done in less time. ***For additional information, refer to the Heating Accessories section and Accessory Integration Chart starting on page 18.***

Thaw ground in 1/2 the time and reduce fuel costs by 50% and achieve a near perfect thaw pattern.

DryAir's patented "Smart Thaw System" is standard in all GreenThaw™ models. Reversing the fluid flow through the field loops means every square foot of ground sees the same amount of energy, giving you an almost perfect thaw pattern and more importantly, reducing time and fuel costs by as much as 50%! ***(See page 22 for detailed Smart Thaw information)***

UNMATCHED TEMPERATURE CONTROL

The DryAir GreenThaw™ system provides you with excellent control over the temperature of your concrete pour. By adjusting the "Smart Thaw" to the recommended schedule, every square foot of your concrete pour will receive the same amount of heat. This means a uniform curing pattern eliminating problems associated with uneven curing.

Competitive Size Equivalent

DryAir testing reveals that the patented Smart Thaw Flow Reverser allows a GreenThaw to thaw ground in 1/2 the time of all other ground thaw units with single direction fluid flow. Testing also proved that DryAir water heaters have up to a 10% higher thermal efficiency than competitive units. These factors combine to make a GreenThaw up to 2.2 times more capable than competitive ground thaw systems.

For ease of comparison, we have included a **GreenThaw competitive size equivalent** rating in the specifications of each model. This specification shows the BTUs that conventional ground thaw units would need to allow them to match the heating capabilities of each DryAir GreenThaw model. We all know fuel is expensive and it's even harder to put a price on time. Getting the job done in 1/2 the time with 1/2 the fuel cost is a value proposition everyone can appreciate, but no other ground thaw system can match.

200 GTS

Input diesel: 212,800 Btu/h

GreenThaw™ competitive size equivalent: est. 465,000 Btu/h

Fuel capacity: 80 US gal

Onboard hose: 3/4" 600 ft (std) 1,200 ft (optional)

Thaw: 1,800 ft sq (optional), 3,600 ft sq (w/acc)*

Cure: 2,400 ft sq (optional), 7,200 ft sq (w/acc)*

Weight: 4,315 lbs

Dimensions: 122/166" l x 76" w x 92"h (Length with tow pole up/down)

THE GREENTHAW™ SYSTEM

400 GTS

Input diesel: 348,000 Btu/h

GreenThaw™ competitive size equivalent: est. 765,000 Btu/h

Fuel capacity: 150 US gal

Onboard hose: 5/8”, 3,000 ft (std)

Thaw: 6,000 ft sq (std), 8,000 ft sq *(w/acc)**

Cure: 8,000 ft sq (std), 14,000 ft sq *(w/acc)**

Weight: 5,950 lbs

Dimensions: 188” l x 76” w x 98” h

650 GTS

Input diesel: 620,200 Btu/h

Gas versions available to run LP or NG

GreenThaw™ competitive size equivalent: est. 1,365,000 Btu/h

Fuel capacity: 250 US gal

Onboard hose: 5/8”, 5,000 ft (std)

Thaw: 7,500 ft sq (std), 11,000 ft sq *(w/acc)**

Cure: 10,000 ft sq (std), 25,000 ft sq *(w/acc)**

Weight: 6,996 lbs

Dimensions: 195” l x 94” w x 96” h

900 GTS FLEX

Input diesel: 896,000 Btu/h

Gas versions available to run LP or NG

GreenThaw™ competitive size equivalent: est. 1,970,000 Btu/h

Fuel capacity: 270 US gal

Onboard hose: 5/8”, 2 reels: 8,000 ft (std)

Thaw: 12,000 ft sq (std), 16,000 ft sq *(w/acc)**

Cure: 16,000 ft sq (std), 36,000 ft sq *(w/acc)**

Weight: 11,200 lbs

Dimensions: 265” l x 93” w x 106” h

* Coverage for ground thawing and curing is shown as ***standard (std)*** and ***with accessories (w/acc)***. ***Standard*** indicates the coverage using only the hose that comes standard with the GTS, with the hoses placed at DryAir’s maximum hose spacing recommendation of 18” centers for thawing and 24” centers for curing. ***With accessories*** indicates the GTS is equipped with additional hose to thaw or cure larger areas, or to perform heat tracing jobs. Depending on the project, additional accessories such as remote manifolds or a booster pump may also be required to support the extra hose. ***Contact DryAir for more information.***

GTS HOSE REEL

THE GREENTHAW™ SYSTEM

NEW

650 GTS Light Tower Option

It is very common to see light towers working alongside ground thaw units on the same dark and cold winter job sites. With the 650 GTS light tower option, DryAir has combined these two products into one convenient package.

The light tower's winter rated LEDs will pierce the cold night with 188,000 Lumens of intense 5000K blue-white light, illuminating the worksite to a level that is superior to metal halide light towers. With a sturdy 24' mast and 72,000-hour LED life, the light tower option is sure to get the job done.

Thanks to the efficiency of LED lighting the 650 GTS's on-board generator has plenty of power to operate the DryAir GreenThaw™ system and 1280-watt light tower simultaneously. By adding the light tower option, the number of generators in your fleet can be reduced, minimizing capital and maintenance costs. For the rental industry, the light tower's lower costs in combination with higher rental rates and longer rental duration makes it an excellent choice in generating a superior ROI.

NEW HEAT CENTER PRO (HCP)

Your All-in-One Heating Solution

The Heat Center Pro features a 900,000 Btu water heater and storage in the front for four HEFA 200 fans, four ES200 fan coils or nine HEFA 80 fan coils. The fan coils roll out on the non-skid ramp door. In the rear, the partitioned and powered hose reel conveniently stores the 1-1/2” primary hose that connects the water heater to the secondary manifolds, as well as the smaller secondary hoses to connect the secondary manifold to the fan coils. The Heat Center Pro incorporates valving to prevent flow back if the supply line is not pressurized by the pump. This allows the 900 HCP to operate without the risk of flooding its non-pressurized water heater, when the fan coils are positioned higher than the HCP.

The primary functions for the Heat Center Pro are:

- **Structural heating**
- **Structural drying**

NEW HEAT CENTER PRO

With the 1-1/2” primary and secondary hoses removed, the hose reel can accommodate up to 4,000 feet of 5/8” hose. Now the Heat Center Pro is ready to perform the primary GreenThaw™ functions of:

- **Ground thaw**
- **Frost prevention**
- **Concrete curing &**
- **Heat tracing**

With 900,000 Btu on tap the Heat Center Pro is often capable of performing heating and thawing jobs simultaneously. As well, the Heat Center Pro operates with all DryAir accessories. With the ability to quickly remove the hose reel and fan coils from the trailer there is ample storage to equip the Heat Center Pro for any heating job. ***For additional information, refer to the Heating Accessories section and Accessory Integration Chart starting on page 18.***

Heat Center Pro Specifications

- **Input diesel:** 896,000 Btu/h
- **Primary hose:** 1-1/2”, 2 - 50’ with valves & Kamlok® couplers
- **Secondary hose w/ 4 HEFA 200 fan coils:** 12 - 1” x 50’ w/quick couplers
- **Secondary hose w/ 9 HEFA 80 fan coils:** 28 - 3/4” x 50’ w/ quick couplers
- **Weight:** 8,422 lbs
- **Dimensions:** 218” l x 94” w x 106” h
- **Optional:** 7 kWh generator (fuel tank not available)

NEW HYDRO HEAT PRO (HHP)

The Fluid-to-Fluid Heating Solution

The Hydro Heat Pro represents a new category in the hydronic heating industry that targets fluid-to-fluid heating requirements, such as boiler tie-ins. The 1.8 million Btu Hydro Heat Pro combines the heating power of an efficient DryAir water heater and two fluid-to-fluid plate heat exchangers into one ready-to-move trailer package. The system uses three pumps, one for the water heater's heating fluid circuit (food grade glycol) and one for each of the two-plate heat exchanger output loops, which can be sized to meet various flow and pressure requirements.

To switch fuel sources on the Tri-fuel Hydro Heat Pro, the two water heater burners can be quickly changed out, with all other Tri-fuel plumbing and componentry remaining permanently in-place. Within the Hydro Heat Pro cabinets, there is storage for the other 4 burners to ensure convenient hassle-free burner swaps.

NEW HYDRO HEAT PRO

Each of the two plate heat exchangers has a 2 million Btu capacity to effectively manage the output from the hot water heater. Therefore, 100% of the heating fluid flow can be directed to one plate heat exchanger. If your next job requires a different fluid, the other plate heat exchanger can be used. This increases flexibility, reduces the risk of contamination and cleaning. With two plate heat exchangers, two different fluids can also be heated simultaneously. The exchangers can also be taken apart for removal of scale build-up and cleaning when cleanliness is paramount, such as potable water applications.

Specific applications for the Hydro Heat Pro include:

- Acting as a boiler tie-in, to heat and circulate a building's heating fluid for potable hot water and building heat.
- Heating and circulating potable hot water in a building complex, bypassing the building's boiler/water heating system.
- The heating and circulating of water for processing plants, mining and oil field projects.
- Heating and circulating water for washing facilities at large multiple day events and gatherings.
- For larger jobs, where one DryAir heating unit is not adequate, the Hydro Heat Pro plate heat exchanger can be connected into the return flow of the other DryAir system, boosting output to meet the greater heating requirement.

Where fluid needs to be heated the Hydro Heat Pro is ready for action. With the Hydro Heat Pro, your team will be ready to address fluid heating jobs, quickly, efficiently and effectively.

Hydro Heat Pro Specifications

- **Input diesel:** 1,792,000 Btu/h
- **Input NG:** 1,690,000 Btu/h
- **Input LP:** 1,715,000 Btu/h
- **Weight:** 9,000 lbs
- **Dimensions:** 212" l x 93.5" w x 114" h
- **Quick connect couplers:** 2" Kamlok® couplers
- **Certification:** To follow - CSA/UL certified by TÜV

One of two plate exchangers located in the rear of the 1800 HP.

HEATING ACCESSORIES

Heating accessories bring great value to a hydronic heating system. This is why a large part of DryAir's hydronic heating focus is on accessories. These heating accessories deliver more capability, further separating DryAir from direct and indirect heating products, as well as other hydronic heating competitors. With DryAir hydronic heaters, you can take on virtually any heating job with the flexibility to heat air, liquids and solid objects.

For example, in the featured photo, a DryAir GreenThaw™ System is out of its typical ground thaw element, providing the heat for two D-Can 30 desiccant dehumidifiers to dry out a building. This level of flexibility is tough to beat, especially when DryAir gets the job done with significantly less fuel than other dehumidifiers on the market!

HEATING ACCESSORIES

D-CAN 30 Desiccant Dehumidifier

The patented DryAir D-CAN 30 is an ideal option to dry out an occupied space. The humidistat-controlled D-CAN 30 uses a desiccant wheel to remove water from buildings. The desiccant is reactivated by a fan coil and DryAir heating unit that is over 80% efficient. It is also very flexible system as the heating unit can be operating on diesel, LP, NG or even steam. Competitive units lack efficiency, using generators wired to electric heating elements to reactivate the desiccant wheel. As a result, competitive systems can use over 2.5 times more fuel than the D-CAN 30 desiccant dehumidifier.

Output: 292 gallons of water/day @ 80°F, 50% RH
Input: 175,000 Btu/h from a hydronic heat source
Fan electrical requirements: 2 – 120V, 15A circuits (plus heating unit electrical requirements)
Dimensions: 98” l x 52” w x 63” h
Weight: 1,350 lbs
Airflow: 3,000 cfm

HEATING ACCESSORIES

Fan Coils

The DryAir fan coil design is focused on fluid to air heat transfer. The fan coil's high cfm fans deliver heat fast and ensure:

- When heating, there is even heat distribution throughout the structure.
- When drying, there is required air flow to effectively exhaust moisture-laden air from the structure.
- A low humidity environment, essential for inhibiting mold growth.
- The optimum project application environment for interior finish work.
- Daily application of joint compound or finishing texture to drywall.
- Expansion and contraction of wallboard is minimized.
- Downtime between finished drywall and paint applications is reduced.
- Paint shading caused by residue from open flame heaters is eliminated.
- Better adhesion of caulking materials.
- A drier surface for application of water-based carpet and tile adhesives, epoxy and urethane coatings.
- A lower chance of shrinkage at mitered joints in finish trim materials.

WHY IS THIS METHOD OF SPACE HEATING THE MOST ENERGY EFFICIENT?

- Fan coils are re-heating already warmed inside air, making them more efficient than other systems that are required to constantly heat outside cold air up to the desired inside temperature level.
- Thermostats on each fan coil turn them off when the area reaches the desired temperature (HEFA 80, HEFA 200, ES200).
- A lower demand for heat from the outside Central Heating Unit will allow it to cycle down to a low fire mode or shut off completely when the structure has reached the desired temperature for further fuel savings.
- Fewer air exchanges compared to indirect and direct fired (air makeup) heating options.

Note: Fan coil output based on 200°F supply fluid and 32°F ambient air

Fan Coil General Specification

Construction: Stainless steel
Power requirements: 120V, 15A

HEFA 80

Output: 80,187 Btu/h
Dimensions: 23" l x 14" w x 34" h
Weight: 90 lbs
Airflow: 900 cfm

HEATING ACCESSORIES

HEFA 200

Output: 201,364 Btu/h
Dimensions: 50" l x 32" w x 39" h
Weight: 210 lbs
Airflow: 2,300 cfm

ES200

The “Easy Service” ES200 has two distinct advantages over the standard HEFA 200 fan coil.

- The fan and coil can be removed in under 5 minutes for easy cleaning
- The ES200 is stackable, has a smaller cabinet and inset wheels

Output: 201,364 Btu/h
Dimensions: 43" l x 26" w x 44" h
Weight: 244 lbs
Airflow: 2,300 cfm

HEFA 250EX

The HEFA 250EX is a Class 1, Division 1 explosion proof fan coil ideal for heating and climate control in oil, gas and industrial applications.

Output: 250,000 Btu/h
Dimensions: 45" l x 29" w x 44" h
Weight: 212 lbs

HEFA 600

Output: 512,418 Btu/h
Dimensions: 81" l x 45" w x 52" h
Weight: 560 lbs
Airflow: 5,000 cfm

Humidistat

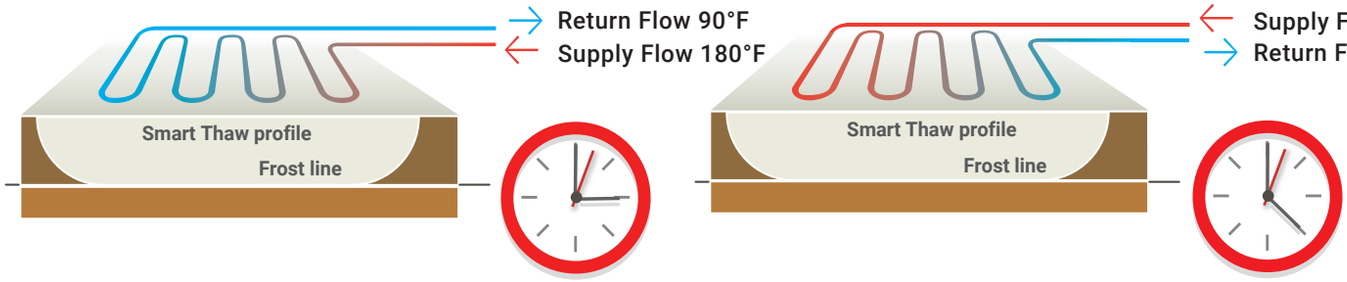
The adjustable humidistat connects inline with the fan coil power supply. This allows the fan coil to be controlled by humidity, as well as temperature. With the humidistat you can control the environmental conditions of the workspace more precisely to ensure all interior finishing work can be completed to the highest standards. Maintaining the desired humidity level further enhances the efficiency and effectiveness of the DryAir hydronic heating system, minimizing fuel usage in the process.

SMART THAW FLOW REVERSER

The Accessory for Even Thawing and Curing Results

DRYAIR

- **Recommended with *CHU* or *Heat Center Pro***
- **Standard with *GreenThaw™***

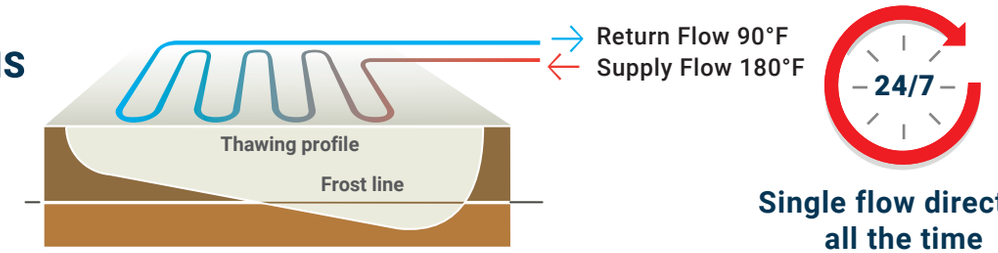


The patented Smart Thaw ***reverses flow direction*** automatically, producing a **nearly perfect thaw profile**!

Thaw Ground in 1/2 the time and reduce fuel costs by 50%!
Watch the video at **www.dryair.ca**

OTHER COMPETITIVE SYSTEMS

With ***single flow direction*** a **very uneven thaw profile** is produced, costing you extra time and fuel!



HEATING ACCESSORIES

Smart Thaw Flow Reverser

STS 100

The patented STS 100 uses a timer and a rotary valve to reverse direction of flow through thaw/cure hoses at hourly intervals, to eliminate hot and cold zones and provide even heat across the entire thaw/cure profile. The Smart Thaw system reduces thawing time and fuel consumption in 1/2 compared to traditional single direction thaw/cure circulation. Smart Thaw allows concrete to cure faster than single direction systems while also delivering a finished slab with maximum compressive strength. **The Smart Thaw is a recommended accessory with a CHU or Heat Center Pro for thawing and curing applications. On GreenThaw™ models, the Smart Thaw Flow Reverser is standard and incorporated into the unit.**

Construction: Stainless steel
Dimensions: 30" l x 19" w x 21" h
Weight: 75 lbs

Plate Heat Exchanger

HEFF 1M

The HEFF 1M uses a fluid-to-fluid plate heat exchanger to produce a fluid distribution loop separate from the heating unit. A 3 hp pump in the HEFF 1M allows it to circulate fluid up to 70' vertically in high-rise heating applications.

HEFF 1M applications include:

- Heating fluid for boiler tie-in applications
- Domestic water for boiler bypass applications
- Process water for mining and oil field projects
- Water for washing facilities at large events

Construction: Stainless steel
Power requirements: 230V, 30A
Output: 1 million Btu/h
Dimensions: 52" l x 36" w x 33" h
Weight: 500 lbs

Booster Link NEW

BL 1.8 M

Sometimes a job calls for more heat than a single heater can provide. When more heat is required, the Booster Link provides the solution. With up to 1.8 million Btu/h of heat exchange, the Booster Link allows a second heating unit to be connected into the return line of the primary heating unit. Therefore, boosting the Btu/h output to meet the demand from the DryAir heating accessories. The Booster Link can be used with any combination of CHUs and/or, GTSs and/or the Heat Center Pro. ***(Available September 2022)***

[1]**Note:** Best results will be obtained when the primary heating unit is larger than the secondary heating unit.

[2]**Note:** The Hydro Heat Pro can be used to boost the output of a heating unit directly without the need of the Booster Link accessory.

HEATING ACCESSORIES

Mixing Booster

MB 100

The MB 100 incorporates an aquastat and mixing valve, in combination with a 1 hp pump.

Mixing Flow
The most frequent application for the MB 100 is concrete curing at lower temperatures such as 70°F. Heated fluid can be teed off to facilitate high and low temperature heating jobs simultaneously, ie. thawing ground & curing concrete with a CHU or GTS.

Boosting Flow
When boosting flow, the MB 100 maintains ample flow to extend the heating fluid loop up to an additional 300 ft from the heating unit or another mixing booster.

Construction: Stainless steel
Power requirements: 120V, 15A
Dimensions: 50" l x 23" w x 20" h
Weight: 105 lbs

Booster Pump

BP 75

The 3/4 hp pump in the BP 75 maintains ample flow when a single heating loop is required to be significant in length, such as in a line tracing application. The BP 75 connects to the manifold of the heating unit and allows a single 5/8” heating loop to extend up to 1,250 ft from the heating unit or another booster pump.

Construction: Stainless steel
Power requirements: 120V, 15A
Dimensions: 18" l x 15" w x 11" h
Weight: 60 lbs

Hose Reels

HRV 4000 and HRV 6000

The powered HRV hose reel holds up to 4,000' or 6,000' of 5/8" hose. It is used with CHUs for ground thawing or concrete curing applications or when additional hose is required with a GreenThaw™ System. The hose reels incorporate a variable speed drive with foot switch activation, in conjunction with a safe automatic reel braking and a torque limiting clutch system. This advanced DryAir design allows the layout of ground thaw hose to become a one-man operation. When the job is finished the hose reels have the power to roll-up charged hoses (no draining required).

Power requirements: 120V, 15A
HRV 4000: 48" l x 43" w x 56" h - 2,025 lbs
HRV 6000: 52" l x 48" w x 69" h - 3,015 lbs

HEATING ACCESSORIES

DryAir Heat Plates

DryAir heat plates are used to heat or prevent freezing of fluid in tanks and reservoirs. It would require 1,000s of feet of rubber heating hose to match the heating capacity of these durable stainless steel plates. Heat plates also require a lot less labor to install and clean after removal, while reducing the chance of leaking from damage inside the tank. Heat plates come in two sizes, the MiniPlate and the MegaPlate with custom sizes available from DryAir.

MiniPlate

Construction: Stainless steel
Output: 60,000 Btu/h
Dimensions: 32" l x 18" w x 5" h
Weight: 37 lbs

MegaPlate

Construction: Stainless steel
Output: 270,000 Btu/h
Dimensions: 48" w x 72" l x 60" h
Weight: 170 lbs

Bayonet Tank Heat Element

BHE 1M

The BHE 1M is used primarily in the oil and gas industry to heat liquid in 200 to 1000 bbl tanks with up to 1 million Btu/h. The BHE 1M bolts in place of the lower man door on most fluid tanks to provide fast, safe and efficient heating while reducing fuel costs. Heating from the bottom of the tank takes advantage of convection. It provides more even heat distribution compared to steam lines that are often installed a third of the way up from the bottom of the tank. Still, other industry methods externally circulate and heat the fluid in the tank for immediate use. With the bayonet tank heat element in place, you can use the fluid when you're ready for it.

Construction: Stainless steel
Output: 1 million Btu/h
Dimensions: 66" l x 30" w x 42" h
Weight: 368 lbs

Stainless Steel Flex Pipe

Wrap pipes and valves for heating and frost prevention. Transfers 6 times the Btu/h per foot as compared to rubber hose. Can also be immersed in tanks for fluid heating.

For additional product information, specifications and videos, visit our website at

WWW.DRYAIR.CA

ACCESSORY INTEGRATION CHART

The chart below outlines the use of applicable accessories to maximize the capability and usage of your DryAir heating unit.

ACCESSORY

DRYAIR HEATING UNITS

	Central Heating Units	GreenThaw	Heat Center Pro	Hydro Heat Pro
FAN COILS				
HEFA 80	√ +HTH	√ +HTH	√	N/A
HEFA 200	√ +HTH	√ +HTH	√	N/A
ES200	√ +HTH	√ +HTH	√	N/A
HEFA 250EX	√ +HTH	√ +HTH	√	N/A
HEFA 600	√ +HTH	√+HTH	√	N/A
OTHER				
Booster Link BL 1.8M	√ +HTH	√ +HTH	√	√
Booster Pump BP 75	√ +GTH	√	√ +GTH	N/A
Desiccant Dehumidifier D-CAN 30	√ +HTH	√ +HTH	√	N/A
Humidistat	√ +FC +HTH	√ +FC +HTH	√	N/A
Mixer Booster MB 100	√ +HTH or +GTH	N/A	√	N/A

ACCESSORY INTEGRATION CHART

cont'd

ACCESSORY — DRYAIR HEATING UNITS

	Central Heating Units	GreenThaw	Heat Center Pro	Hydro Heat Pro
Plate Heat Exchanger HEFF 1M	√ +HTH	√ +HTH	√	N/A
Smart Thaw Flow Reverser STS 100	√ +GTH	Included	√ +GTH	N/A
Stainless Steel Flex Pipe	√	√	√	N/A
GROUND THAW REELS				
HRV 4000	√	√	√	N/A
HRV 6000	√	√	√	N/A
HEAT PLATES				
MiniPlate	√ +HTH	√ +HTH	√	N/A
MegaPlate	√ +HTH	√ +HTH	√	N/A
Bayonet Tank Heat Element BHE 1M	√ +HTH	√ +HTH	√	N/A

√ - applicable accessory √ +FC - applicable with fan coils √ +GTH - applicable with ground thaw hose
√ +HTH - applicable with heat transfer hose N/A - not applicable

SERVICE *and* SUPPORT
1-888-750-1700

DryAir 24/7 True Service

DryAir products are backed up by our industry leading *DryAir 24/7 True Service*. With *True Service* you are in good hands, as all of your customer service inquiries are answered by our experienced North American DryAir technicians.

DryAir Application Support

When it comes to heating sometimes it is difficult to determine the best solution. The good news is that at DryAir, we have many heating options available. Contact us during business hours, our team of experts will help you with selection, sizing and planning to find a solution that best meets your heating requirements.

DRYAIR
Heat Dry Thaw Cure

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