

# Thaw / Cure Solutions

When it comes to ground thaw and concrete cure, DRYAIR offers superior performance solutions!

■ **DRYAIR's high performance, high KW central heating systems advantages...**

- Larger thaws as one system allows you to set up and thaw up to 1,672 m<sup>2</sup> at an average rate of 30cm per day.  
*\*Please note that thaw rates will vary depending on soil composition, moisture content, ambient conditions, job insulation factors and thaw depth.*
- Faster thaws as the system maintains higher temperatures for greater heat transfer.
- Quicker start-up as the system achieves the set fluid temperature more quickly.

■ **Optimum heat transfer**

Larger diameter thaw/cure hose has more heat transfer surface area for improved heat exchange. Larger diameter hose also means less line resistance resulting in higher flow rates and higher, more uniform rates of heat transfer throughout the fluid loop.

■ **DRYAIR's "Smart Thaw System" accelerates thaw by as much as 50%!**

This patented add-on feature provides balanced heat throughout the thaw area and prevents an uneven thaw pattern. The system can also provide you with the balanced, controlled heat delivery required for "concrete cure" applications.



■ **Operate in the most extreme conditions!**

All of DRYAIR's central heating modules are built to perform in extreme conditions. But if you want the ultimate in dependability, DRYAIR's oil-fired 2100 series central heating modules incorporate unique features that take it one step further. All 2100 Series oil-fired central heating modules feature a rock solid burner, fluid & fuel pre-heaters, and DRYAIR's patented "Combustion Environment Control System". The system delivers with smooth start-up, fuel efficiency and smooth, trouble-free operation... even when the outdoor temperature is -45°C!

**\*Conditions and factors:**

- -18°C outdoor ambient temperatures, two layers of insulated tarp
- **Ground thaw** - Heat transfer - .08 KW/M, 82°C fluid "supply" temperatures
- **Concrete cure** - Heat transfer - .04 KW/M, 27°C fluid "supply" temperatures

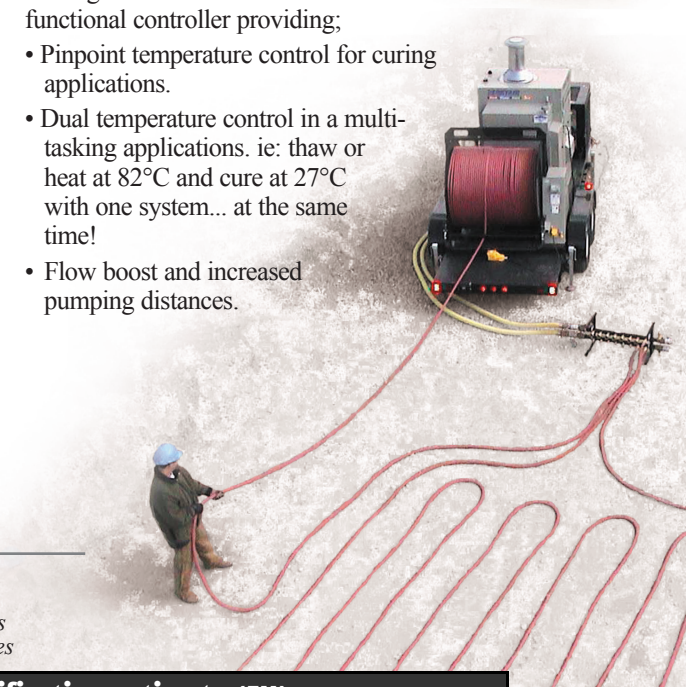


A thaw/cure system package equipped with a diesel fired CHM2100-240EU central heating module & HR6000 hose reel. Add a diesel generator for a fully self-contained thaw/cure package.

■ **Multi-tasking capabilities!**

Need to heat, thaw and cure... all at the same time... with only one heating system? A DRYAIR system can be configured to do just that! DRYAIR's unique Mixing/booster add-on is a multi-functional controller providing;

- Pinpoint temperature control for curing applications.
- Dual temperature control in a multi-tasking applications. ie: thaw or heat at 82°C and cure at 27°C with one system... at the same time!
- Flow boost and increased pumping distances.



**Central heating module thaw/cure specification estimate (EU)**

Central heating module	Fuel type	KW Output	Thaw Capabilities					Cure capabilities				
			Using system package "hose reel" only		To match maximum KW output *dependent on conditions & factors			Using system package "hose reel" only		to match maximum KW output *dependent on conditions & factors		
			Total hose length (meters)	Thaw area @ 46cm c/c (sq. m)	Total hose length (meters)	Hose Loops @ 229m	Thaw area @ 46cm c/c (sq. m)	Total hose length (meters)	Cure area @ 60m c/c (sq. m)	Total hose lengths (meters)	Hose Loops @ 229m	Cure area @ 60m c/c (sq. m)
2100-240EU	d	223	1,829	836	3,658	11	1,672	1,829	1,115	7,315	22	4,459
	ng	198	1,829	836	3,200	10	1,463	1,829	1,115	6,629	21	4,041
	lp	201	1,829	836	2,515	10	1,150	1,829	1,115	5,029	21	3,066
2100-180EU	d	149	1,829	836	2,286	8	1,045	1,829	1,115	4,801	16	2,926
2100-120EU	d	105	1,829	836	2,286	5	1,045	1,829	1,115	4,801	11	2,926

*Please note that if total hose length exceeds 3,658m, consider boosting heat transfer fluid flow by incorporating a Dryair mixing/booster.*



**Heat Thaw Cure Dry**

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