



# The Arctic Chiller Group

Manufacturer of Premium Efficiency Cooling Solutions

PRODUCT RELEASE

## PolyTherm™ by Arctic

A newly developed and highly flexible thermal distribution system that provides chilled water and hot water simultaneously



Ultra Efficient



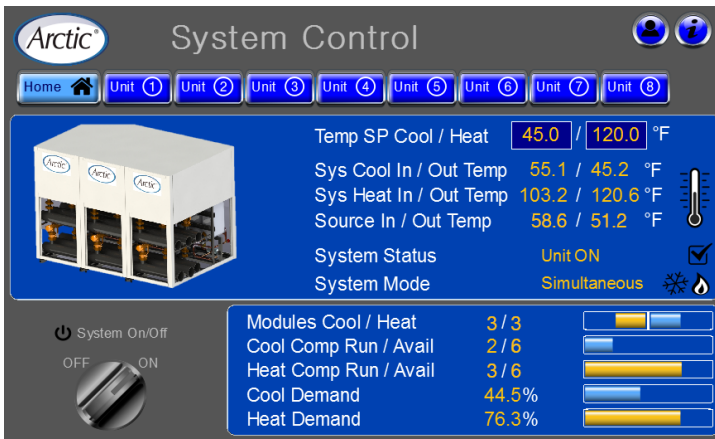
Environmentally Responsible Design



Ultimate Flexibility

- Cooling capacity range from 30 to 480 tons and heating capacity range 450 MBH to 7,200 MBH
- New 6-pipe design featuring three independent loops eliminating the need for extra heat exchangers and pumps
- Overall system volume of glycol and/or chemical treatment is greatly reduced, saving significant operating costs
- Year-round system efficiency enhancement of chilled water and hot water loops by eliminating glycol mixing
- Any module can operate in either cooling mode, heating mode, or simultaneous heating and cooling mode to meet real-time system demand
- Compact module size fits through standard doors and elevators for ease of rigging into tight equipment rooms
- While in simultaneous mode, combined heating and cooling efficiencies up to 28 EER can be achieved
- Up to 140°F heating water available depending on source water temperatures
- The ultimate in versatility and thermal efficiency with PolyTherm™ by Arctic





Newly developed **6-pipe multipurpose system** featuring independent water circuits to satisfy end user's requirements for heating and cooling year-round. It eliminates the need for duplicate equipment and significantly reduces space requirements by combining duties and reducing glycol requirements.

### Arctic PolyTherm™

Model	Capacity		Dimensions			Weight	Header Size
	Cooling	Heating	W	L	H		
V30	30 tons	450 000 btu	34"	66"	77"	1,800 Lbs.	6"
V40	40 tons	600 000 btu	34"	66"	77"	1,900 Lbs.	6"
V50	50 tons	750 000 btu	42"	66"	80"	2,000 Lbs.	6"
V60	60 tons	900 000 btu	42"	66"	80"	2,100 Lbs.	6"

### Design Rating Conditions

Cooling only	Chilled water: 54 – 44 °F	Source: 85 – 95 °F
Heating only	Hot water: 120 – 140 °F	Source: 54 – 44 °F
Simultaneous	Chilled water: 54 – 44 °F	Hot water: 100 – 120 °F

E&OE

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