

# Technical Data Sheet

## Mark II

### Heat Exchanger Module



*Engineered Solutions*

Lync's Heat Exchanger Modules are designed to work with the Aegis heat pump to provide the best performance under the widest operating range while still protecting the heat pump from scale and other possible contaminants. Aegis heat pumps require a closed loop to prevent scale build up within the unit's heat exchanger. The skid also allows for glycol in the primary loop to prevent freezing for outdoor installations.

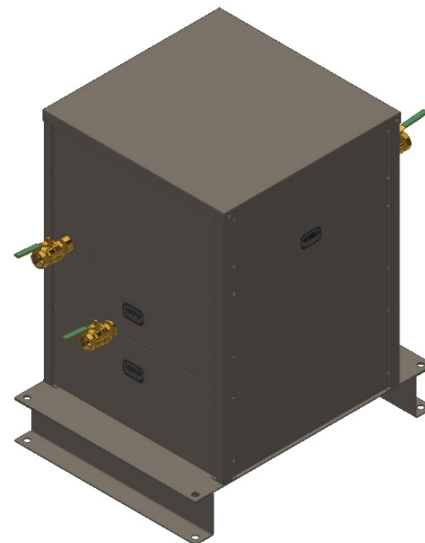
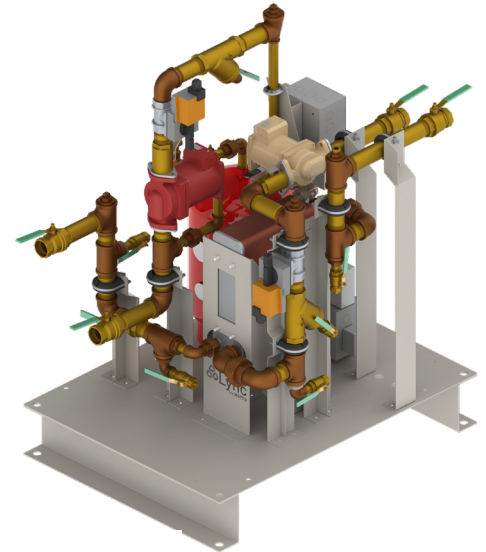
The Heat Exchanger Module is designed to work specifically with each model Aegis, with all components selected and assembled by Watts. The Module makes it easy to link the Aegis unit with the storage tanks. The double walled heat exchanger with positive leak detection meets heat exchanger codes, while still providing double-wall separation to the domestic hot water.

There are two models available; a single exchanger model for use with Aegis 250 models, and a dual exchanger model for use with Aegis 350 and 500 models. Each are available with optional outdoor enclosure for outdoor installations in mild climates. Higher pressure indoor-only versions of these heat exchanger modules are also available for 300 PSI MAWP.

## Features

- 170°F max potable water temperature
- Operates from -4°F to 113°F
- Optional cover for outdoor installation
- Designed to work with Aegis units
- Built and tested by Watts to ensure proper operation of the Aegis units
- Optional high-pressure indoor-only versions rated for 300 PSI

Mark II Single  
150 psi



Mark II  
Outdoor Enclosure  
150 psi

Mark II Single  
300 psi Version



# Technical Data

	Heat Exchanger Module		Single 150psi	Dual 150psi	Single 300psi	Dual 300psi
	Aegis Unit Size		250	350 / 500	250	350 / 500
	Aegis Type		Air/Water	Air/Water	Air/Water	Air/Water
	Maximum Power	BTH (kW)	300,000 (88)	600,000 (176)	300,000 (88)	600,000 (176)
	Maximum Primary Loop Temperature (Aegis)	°F (°C)	180 (82)	180 (82)	180 (82)	180 (82)
	Max. Potable Water Temp.	°F (°C)	170 (77)	170 (77)	170 (77)	170 (77)
	MAWP Primary Loop	PSI (KPa)	150 (1034)	150 (1034)	300 (2068)	300 (2068)
	MAWP DHW Side	PSI (KPa)	150 (1034)	150 (1034)	300 (2068)	300 (2068)
	Outdoor Temperature Range	°F (°C)	-4 to 113 (-20 to 45)	-4 to 113 (-20 to 45)	-4 to 113 (-20 to 45)	-4 to 113 (-20 to 45)
	Connections		1 ½" NPT	1 ½" NPT	1 ½" NPT	1 ½" NPT
	Number of Heat Exchangers		1	2	1	2
	Maximum Glycol Percentage	%	40	40	40	40
	Heat Exchanger Type		Double Wall	Double Wall	Double Wall	Double Wall
	Maximum Component Temperature Rating	°F (°C)	210°F (90°C)	210°F (90°C)	210°F (90°C)	210°F (90°C)
Electric	Voltage	VAC	120	120	120	120
	FLA	A	7	7	13	13
	Current	A	15A dedicated circuit	15A dedicated circuit	20A dedicated circuit	20A dedicated circuit
Dimensions	Width	Inch (mm)	30 (762)	31.75 (806)	32.75 (832)	32.75 (832)
	Depth	Inch (mm)	39.5 (1004)	39.5 (1003)	48 (1219)	48 (1219)
	Height	Inch	49.3 (1253)	57.4 (1458)	48.8 (1239)	48.9 (1242)
	Weight (indoor)	Lbs. (Kg)	548 (249)	633 (287)	790 (358)	920 (417)
	Weight (outdoor)	Lbs. (Kg)	639 (290)	725 (329)	-	-



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