

## Features

Polycoil heat exchangers are an all plastic heat exchangers with superior corrosion resistance. They provide high heat transfer performance through 440 ultra-thin walled tubes (0.008in). Superior durability is achieved by a plastic-to-plastic weld of each individual tube to their manifold allowing for high operating pressures. Polycoil exchangers are extremely light weight making installation easy and provide a very low internal pressure drop. They are suitable for use with air-to-liquid and liquid-to-liquid applications. Multiple banks/arrays of exchangers can be connected together easily utilizing a built in compression snap clip (supplied) allowing the side frame on each unit to be firmly linked. All exchanger undergo two pressure tests before shipping and inspected for leaks.

## Applications

- Cooling Towers
- HVAC (non-refrigerates)
- Geothermal
- Marine, Swimming Pools
- Automotive
- Radiant Heating/Cooling



## Materials

Exchanger	Nylon or HPDE
Baffles:	ABS, Nylon, HDPE
Side Frame:	PVC, Nylon, HDPE

## Physical Details

Dimension (LxWxH )	47.75in x 11in x 3in
Tube Length	42.0 in
Dry Weight	6.5 lb
Internal Fluid Volume	0.79 gal
Number of Tubes	440
Tube Diameter	0.118in

## Connections

Available :	(1in)	Hose Barb, PEX, NPT
Clamp Torque Spec		35 in-lb

## Fluid Compatibility

Water  
 Glycols  
 Salt/Brine Solutions  
 Hydro Carbon & Oils  
 Acids & Alcohols (HDPE only)  
 Chloride Solutions (Nylon 612 only)  
*\*For a additional fluids or a comprehensive list please contact us*

## Warranty

3 year limited warranty on all materials

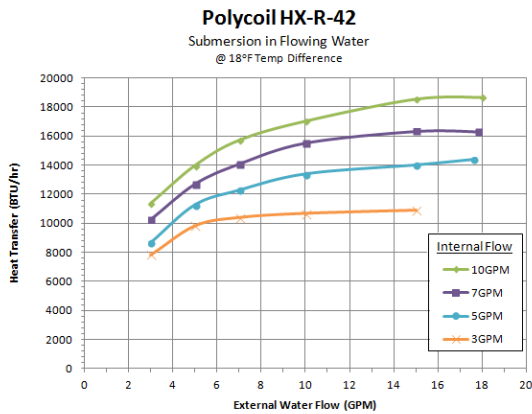
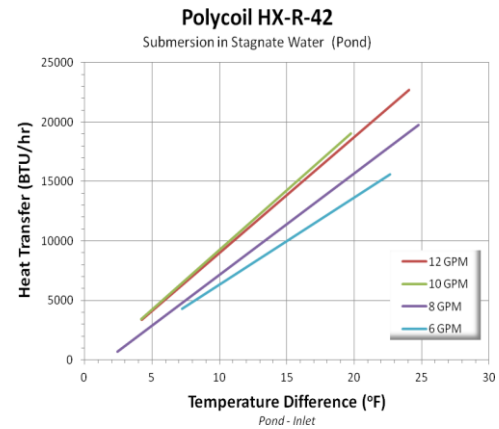
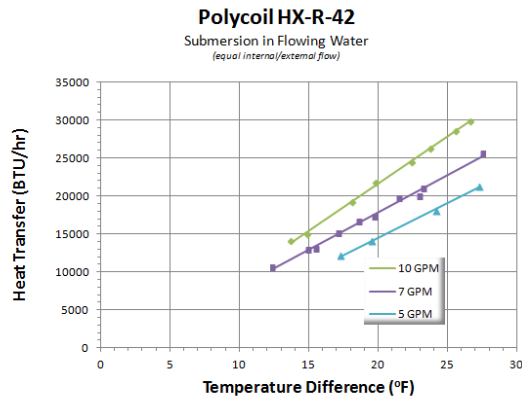
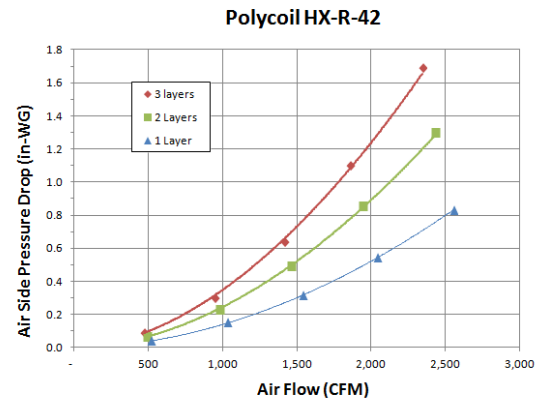
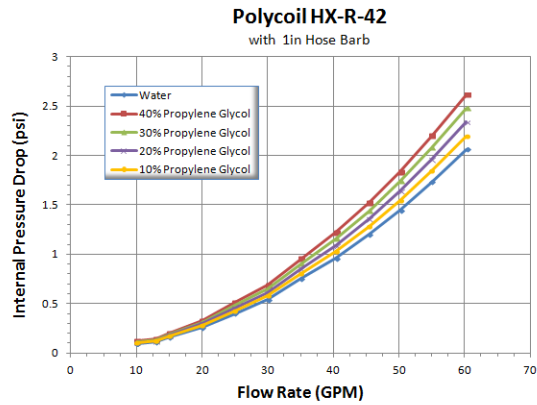
## Durability

250,000 Pressure Cycle @ 120psi

## Operating Conditions

<b>Nylon</b>		<b>Polyethylene</b>	
Operating Pressure	80 psi (max)	Operating Pressure	40 psi (max)
Burst Pressure	400 psi	Burst Pressure	130 psi
Temperature Range	-40°F to 250°F	Temperature Range	-40°F to 140°F
Flow Rate	60 GPM (max)	Flow Rate	60 GPM (max)

## Performance



## Model Number

HX- R- 42- NY- 1- HB- 1- 1- RL- A

Type Of Heat Exchanger	Tube Length	Material Type	Connection Size	Connection Type	Side Frame Material	Baffle Material	Header Orientation	Stacking Pins
R = Rectangular	72 = 72in	NY = Nylon/Polyamide 612	1 = 1in	HB = Hose Barb	1 = PVC	1 = ABS	RL = Right/Left	A = Front Face
C = Curved	57 = 57in	PA66 = Nylon/Polyamide 66	2 = 0.5 in	PR = Propex	2 = Nylon	2 = Nylon	LL = Left/Left	B = Top Face
T = Tube & Shell	48 = 48in	PE = Polyethylene (HDPE)	3 = 0.75in	FNPT = Pipe Thread	3 = HDPE	3 = HDPE	RR = Right/Right	C = Both Faces
	42 = 42in		4 = custom	MNPT = Pipe Thread	4 = Custom	4 = Custom		
	28 = 28in			CUST = Custom				
	12 = 12.63in							
	XXX = Custom							

