

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. 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 heat exchangers undergo two pressurized leak detection tests before shipping.

Applications

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



Materials

Exchanger	Nylon
Baffles	ABS, Nylon
Side Frame	PVC, Nylon

Physical Details

Dimension (LxWxH)	77.65in x 11in x 3in
Tube Length	72.0 in
Dry Weight	9.9 lb
Internal Fluid Volume	1.27 gal
Number of Tubes	440
Tube Diameter	0.118in

Connections

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

Operating Conditions

Nylon	
Operating Pressure	80 psi @ 80°F
Burst Pressure	400 psi
Temperature Range	-40°F to 185°F
Flow Rate	60 GPM (max)

Fluid Compatibility

Water
Glycols
Salt/Brine Solutions
Hydrocarbons & Oils
Chloride Solutions (Nylon 612 only)
**For additional fluids or a comprehensive list please contact us*

Warranty

3-year limited warranty on all materials

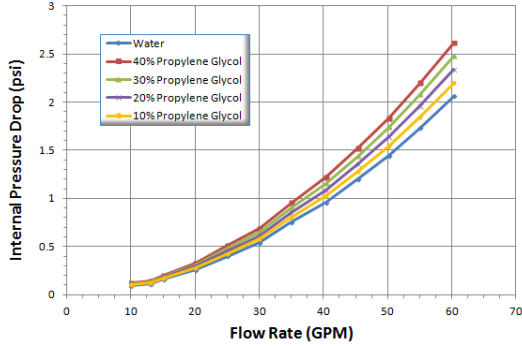
Durability

250,000 Pressure Cycle @ 120psi

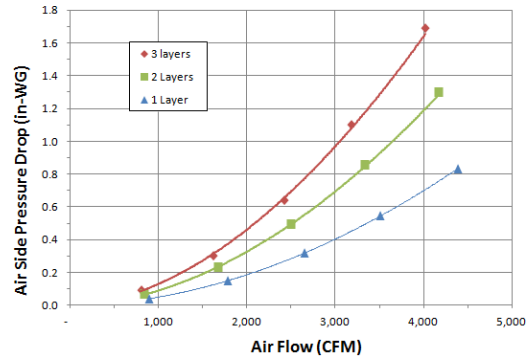
Performance

Polycoil HX-R-72

with 1in Hose Barb

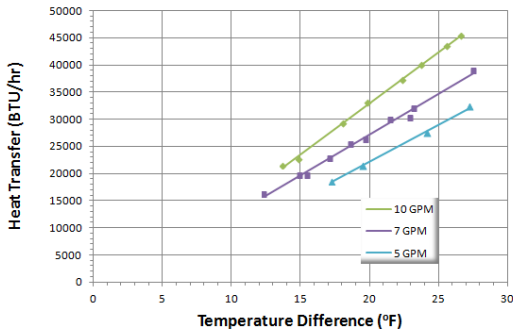


Polycoil HX-R-72



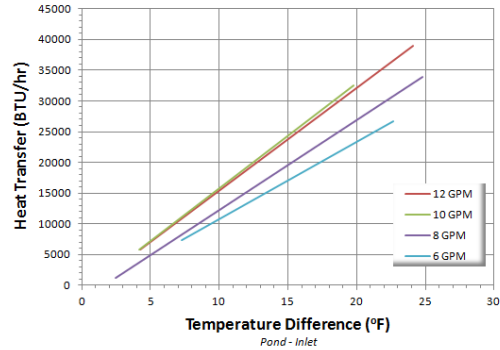
Polycoil HX-R-72

Submersion in Flowing Water
(equal internal/external flow)



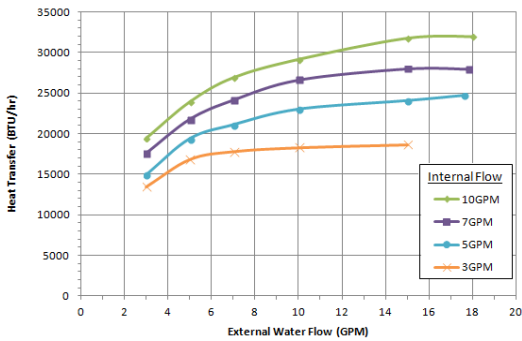
Polycoil HX-R-72

Submersion in Stagnate Water (Pond)



Polycoil HX-R-72

Submersion in Flowing Water
@ 18°F Temp Difference



Model Number

HX-R-72-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 C = Curved T = Tube & Shell	72 = 72in 57 = 57in 48 = 48in 42 = 42in 28 = 28in 12 = 12.63in XX = Custom	NY = Nylon/Polyamide 612 PA66 = Nylon/Polyamide 66 PE = Polyethylene (HDPE)	1 = 1in 2 = 0.5in 3 = 0.75in 4 = custom	HB = Hose Barb PR = Propex FNPT = Pipe Thread MNPT = Pipe Thread CUST = Custom	1 = PVC 2 = Nylon 3 = HDPE 4 = Custom	1 = ABS 2 = Nylon 3 = HDPE 4 = Custom	RL = Right/Left LL = Left/Left RR = Right/Right	A = Front Face B = Top Face C = Both Faces

