

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

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*

Physical Details

Dimension (LxWxH)	62.75in x 11in x 3in
Tube Length	57.0 in
Dry Weight	8.4 lb
Internal Fluid Volume	1.03 gal
Number of Tubes	440
Tube Diameter	0.118in

Warranty

3 year limited warranty on all materials

Connections

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

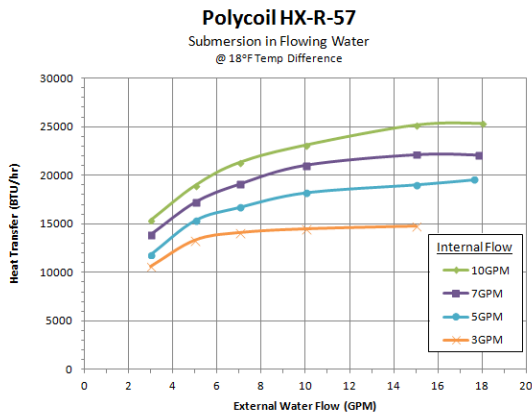
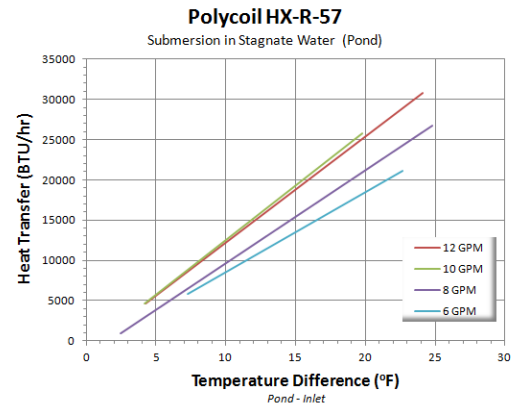
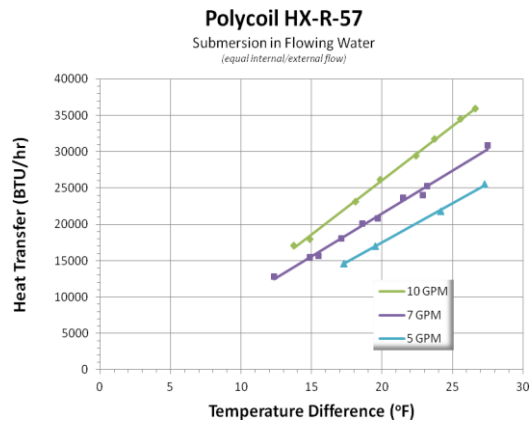
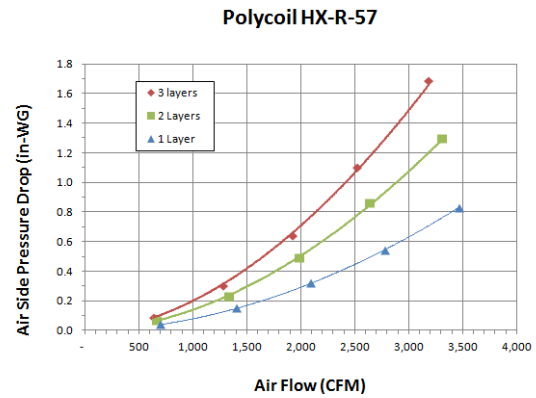
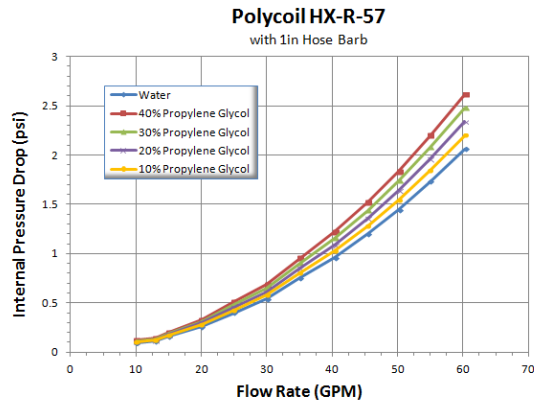
Durability

250,000 Pressure Cycle @ 120psi

Operating Conditions

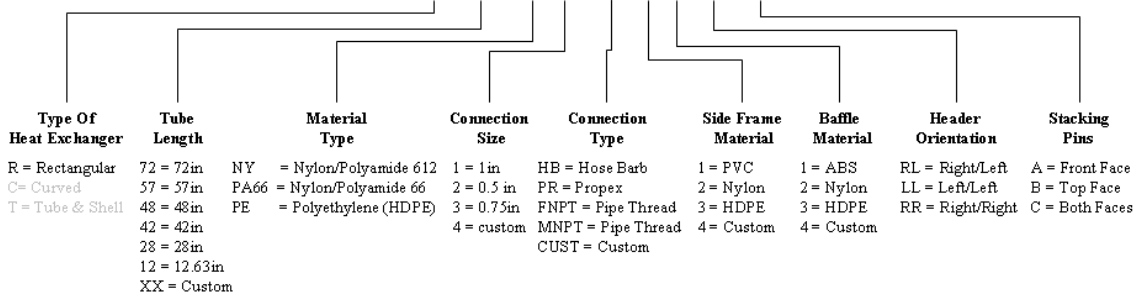
Nylon		Polyethylene	
Operating Pressure	80 psi (max)	Operating Pressure	40 psi (max)
Burst Pressure	400 psi	Burst Pressure	130 psi
Temperature Range	-40°F to 250°F	Temperature Range	-40°F to 140°F
Flow Rate	60 GPM (max)	Flow Rate	60 GPM (max)

Performance



Model Number

HX-R-57-NY-1-HB-1-1-RL-A



REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED

Exposed Tube

3.00

1in Hose Barb

DETAIL A
SCALE 1 : 2

DETAIL B
SCALE 1 : 2

Connecting Pin
(for multiple banks of HX)

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DRAWING SIZE: 11x17	SCALE: 1:1	DATE: 10/20/10	SHEET: 1 OF 1
REVISION:	DRAWN BY: S.P.	FILE NAME: Project HW Assembly (11x17)	
MATERIAL:	SPEC: HX-R-57 Exchanger		
SURFACE TREATMENT:	CUSTOMER:	SHEET #:	PROJECT/CAD #: