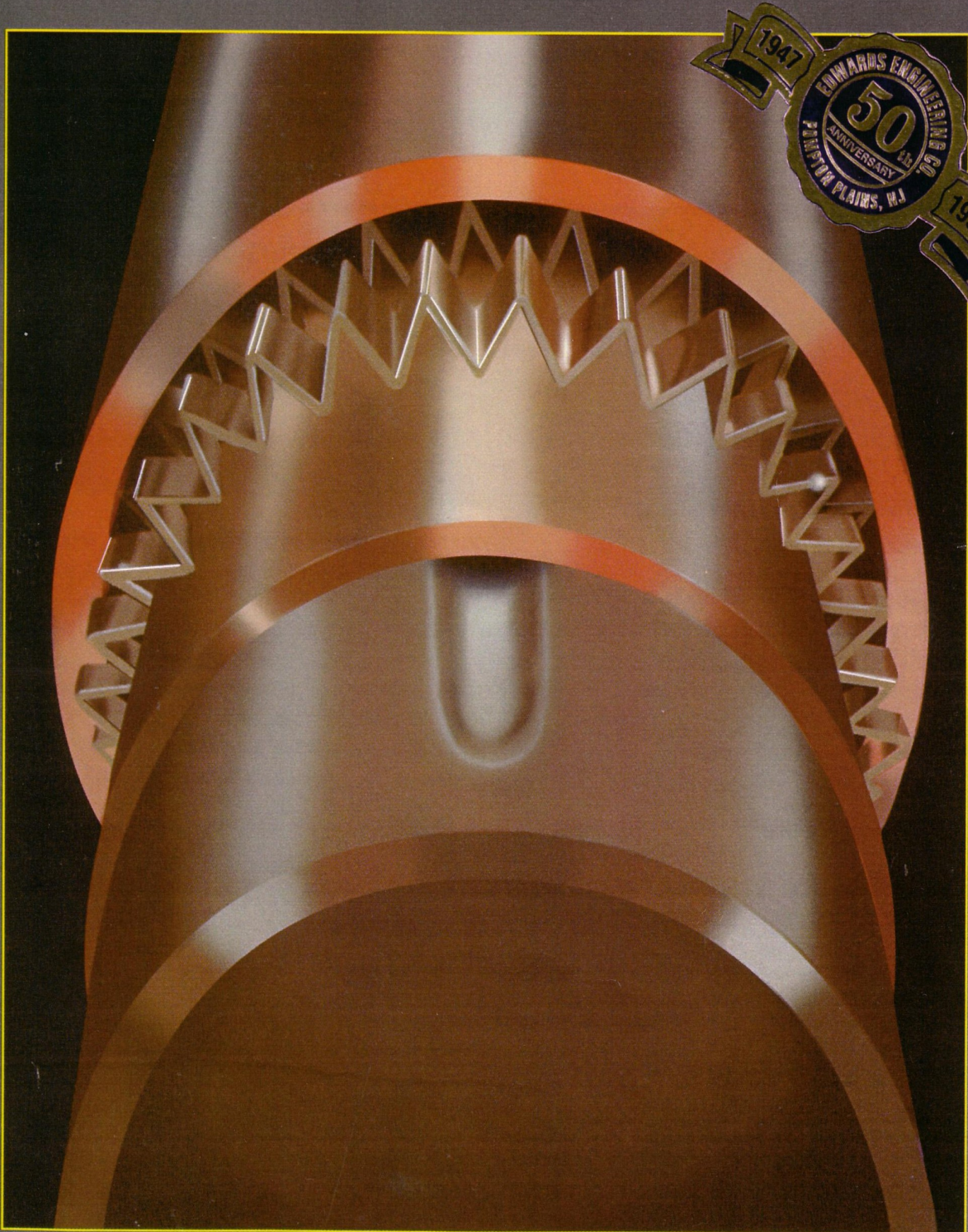




*Edwards* **ENGINEERING CORP.**

Committed to meeting customers' requirements



**Coaxial Heat Exchangers**

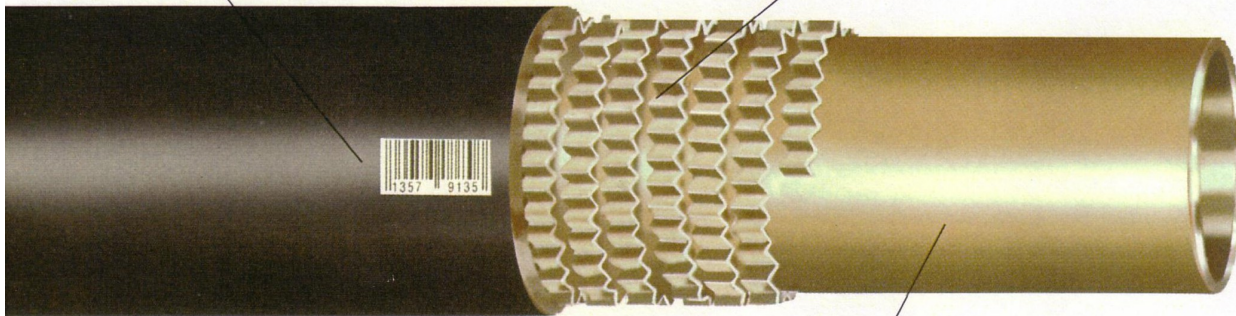


# Edwards Advanced Fin Surface Design (AFSD)

**NEW – Water Source Heat Pump Coil – lower gas pressure drop – better heating / cooling balance – improve SEER & HSPF**

Member of IBCA (Industry Bar Code Alliance)

Metallurgically applied fin construction provides predictable heat transfer



Smooth bore unstressed tubing minimizes pressure drop and dirt build-up



## Edwards Unique Coaxial Construction Is Eight Ways Better And More Cost Effective

- 1 Advanced Fin Surface Design (AFSD) assures design heat transfer with minimum gas pressure drop.
- 2 Design is based on evaporating (heating) mode.
- 3 Smooth bore inner tube with uniform tube wall provides capacity at lower weight (pounds) per coil.
- 4 We will work with you to develop and test a new coil for your unit and advise best form, fit and function.
- 5 Applied fin construction permits use of various materials for a wide range of applications: copper; cupro-nickel; stainless steel; steel; and titanium.
- 6 AFSD works equally well on single wall or double wall vented models.
- 7 Smooth bore tube is less prone to dirt build-up.
- 8 New water source heat pump design results in better balance for improved SEER (Seasonal Energy Efficiency Ratio) and HSPF (Heating Seasonal Performance Factor).



# Single or Double Wall Vented Applications

**Water Cooled Refrigerant Condensers – designed for long life, low cost, and most effective heat transfer**

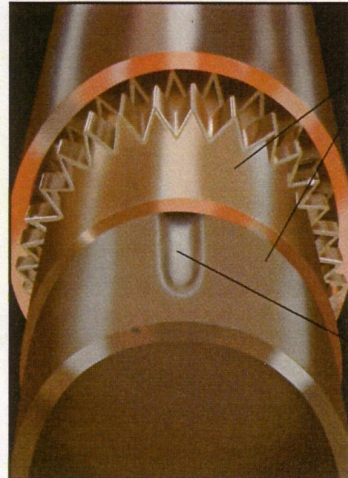


## Reduced Water Consumption

As a refrigerant condenser, a coaxial counter-flow heat exchanger reduces consumption of condenser cooling water dramatically. Developed in conjunction with OEM engineering design requests, the AFSD has successfully reduced water consumption, lowered costs and improved performance in applications for manufacturers of condensing units, ice makers, soft ice cream and yogurt machines.

## Uses Less Refrigerant

The small internal volume of the Edwards counter-flow coaxial design requires less refrigerant.



Smooth, tightly fitted tube surfaces provide optimum contact for maximum heat exchange.

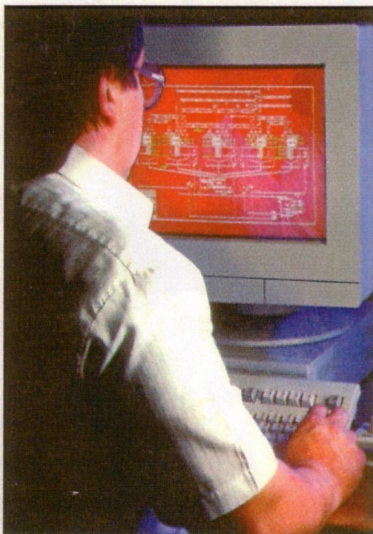
Vent passage provides an escape for refrigerant or water in case of leakage for potable water applications.

## Compact Design Saves Space & Weight

Edwards AFSD construction permits shorter lengths and more compact coil forms. Sizes range from 1/3 ton to 10 tons. Larger sizes are available by external manifolding. Available in various configurations to meet most space requirements.

## Marine Models Available

90/10 cupro-nickel, titanium, and other metals can be used for sea water or brackish water applications.



## Edwards Advanced Fin Surface Design Manufacturing Techniques Provide Dependable Uniformity For Your Production Needs

**Let us work to fulfill your special delivery requirements**

Edwards is dedicated to meeting your requirements – from computer aided design and manufacturing, to networked order processing and shipping. Every unit is pressure tested and inspected before shipping to assure quality and performance.



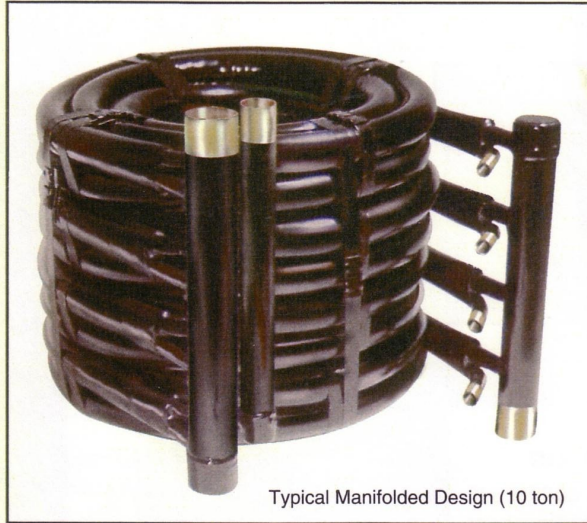
# Evaporators For Fluid Chillers and Ground Water / Earth-Coupled Heat Pumps

## Custom Made Coaxial Evaporator Coils

Edwards coaxial coils can be designed for your specific requirements with or without distributor and refrigerant feed lines assembled. Various types of surface protection or copper outer tube are available.

## UL and CSA Approved

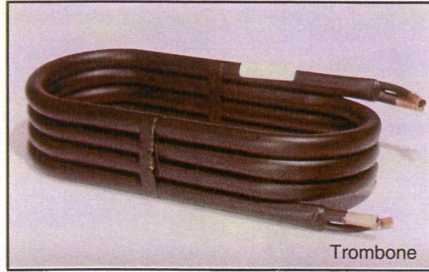
Approved by the Underwriters Laboratories® File No. SA 2074, SA6103; Canadian Standards® LR 31080 for pressures up to 450 psi. Water tube approved for pressures up to 730 psi.



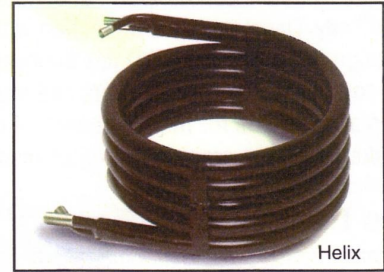
Typical Manifolded Design (10 ton)



Spiral



Trombone



Helix

## WARRANTY (LIMITED)

The manufacturer warrants the products described herein to be free of original defects in material and workmanship, and will, within one year from date of factory shipment, repair or replace at its option, F.O.B. factory, any part upon inspection at the factory found to be defective. Any such defective parts are to be returned to the dealer from whom purchased, transportation charges to be prepaid. The manufacturer shall not be liable for corrosion or erosion, consequential damages, or for any charges involved in the removal or replacement of material at the point of operation, or for any damages which anyone may allege to have suffered as a result of any defect. The manufacturer's liability is limited to repair or replacement of aforesaid. The manufacturer makes no other guarantee or warranty of any kind, expressed or implied, to any other person. This limited warranty negates all warranties and conditions implied by any applicable statutes or rules of law. A competent service organization must be engaged by the owner to maintain the equipment (W-1-A)

# Edwards COILS CORP.

High Quality Heat Exchange Equipment  
International Offices

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E-mail [sales@hanwest.com.au](mailto:sales@hanwest.com.au)