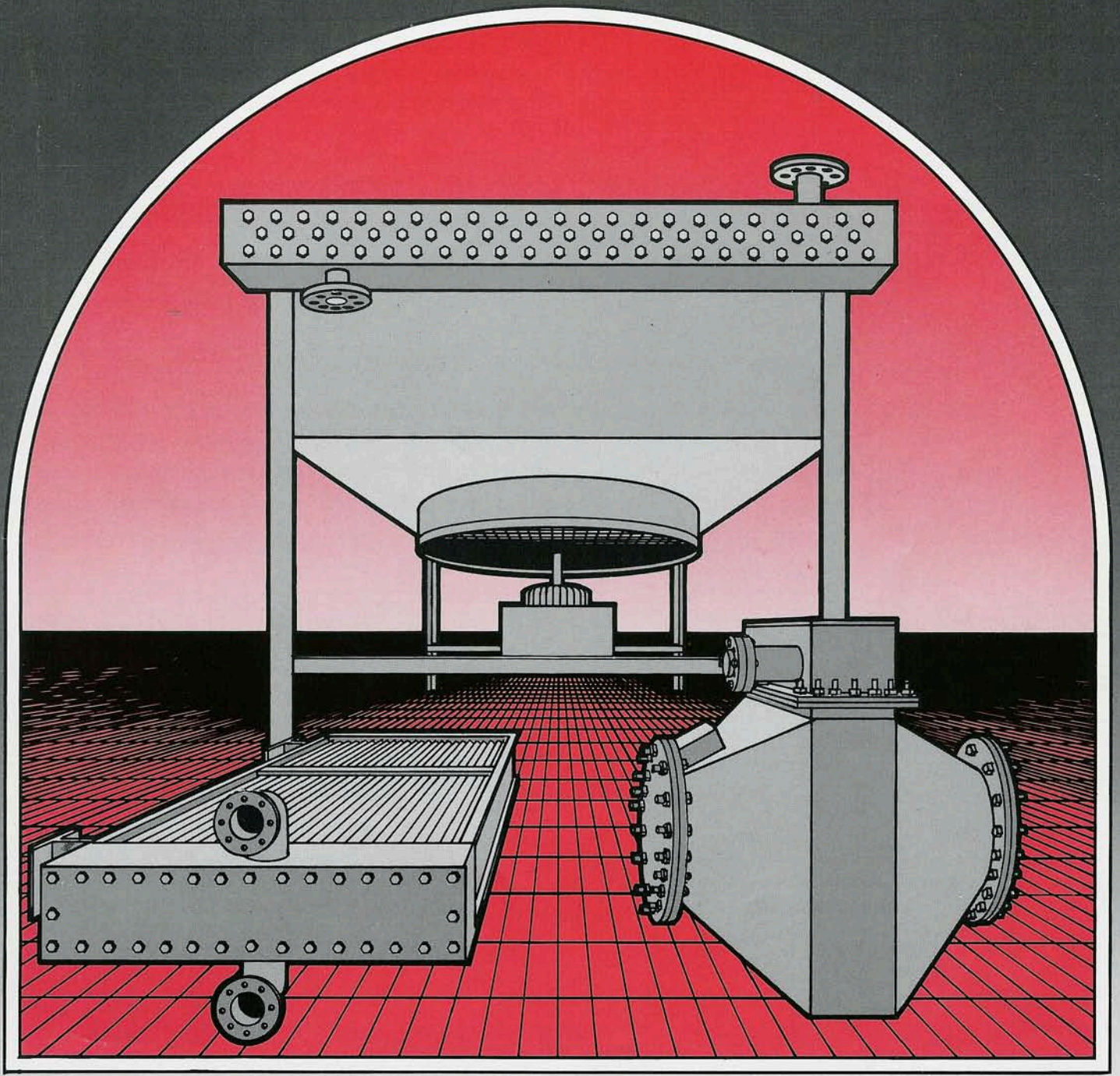


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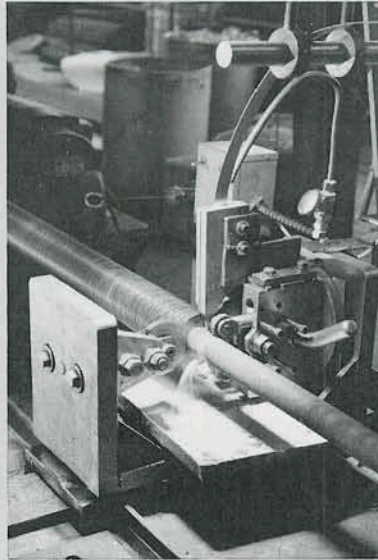
SPECIALTY CUSTOM HELICAL FINNED TUBE HEAT EXCHANGERS



TECHNICAL INFORMATION

FANS AND DRIVES

- Fan Types Available
 - Fixed Pitch
 - Manually Adjustable Pitch
 - Auto-Variable Pitch
- Drives Available
 - Direct Drive • Hydraulic
 - Gear Reducer • V-Belt
- OSHA Fan Guards Standard
- Motors Available
 - Single Speed
 - 2-Speed
 - Variable Speed
 - TEFC/Explosion Proof
 - Mill and Chemical Duty
 - All USA Made



STRUCTURES AND TRANSITIONS

- Completely Shop Assembled
- Materials of Construction
 - Air-Cooled Structures— $\frac{3}{16}$ " CS
 - Transitions: CS, SS, Alum
- Surface Coatings
 - Zinc Primer
 - Hot Dip Galvanizing
 - Special Paints and Coatings
- Temperature Control Systems
- Cold Weather Protection Systems
- Hail Guards and Wind Skirts
- Louvers-Manual and Automatic
- Designs to Fit Existing Locations

FINNED TUBING

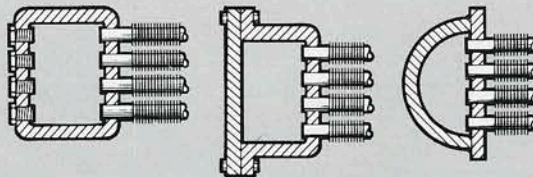
- Finned Tubing – $\frac{1}{4}$ " OD to 6" IPS pipe and construction/materials suitable to 1600°F.
- Stainless steel fin on stainless steel tube—excellent for corrosive service and product purity.
- Finned tubes can be brazed providing integral fin-tube bond. This maintains fin efficiency at high temperatures.

FINNED TUBE RECOMMENDATIONS

	Non-Corrosive 0-350°F	Non-Corrosive 350°-750°F	Non-Corrosive 750°-1000°F	Non-Corrosive to 1200°F	Sanitary to 800°F	Corrosive 600°-1600°F
Tube Material	Any Material	Any Material	Carbon Steel	Carbon Steel	Stainless	Stainless
Fin Material	Alum/Copper	Alum/CS	Carbon Steel	Carbon Steel	Stainless	Stainless
Fin Type	Edge Tension or Soldered	Imbedded	Imbedded	Copper or Ni-Cr Braze	Edge Tension	Ni-Cr Braze

HEADER DESIGN

- Header Types
 - Plug Box • Coverplate
 - Pipe • Bonnet
- ASME Section VIII, Div. 1 and API 661
- Materials of Construction: CS, SS and Ni-Cr Alloys



- Tube-to-Tubesheet Joints
 - TEMA Grooves Standard
 - Electronic/Pneumatic Roller Expanding
 - Seal & Strength Welding
- Design Conditions to 3100 psig at 1500°F

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represented by: