



LOW CHARGE SHELL-AND-TUBE EVAPORATOR

Low charge Patented “SX”[®] Evaporator with our State-of-the-Art Enhanced Tubes for various applications such as:

- Food and Beverage → Marine → Oil and Gas → Chemical Processing → Power
→ Renewable Energy

KEY FEATURES

- Mechanical Integrity of a Shell-and-Tube
- Superior Heat Transfer
- No Pumps or moving parts
- 5-10 times less Refrigerant Charge per TR compared to Pumped Spray Chiller
- Carbon Steel, High Alloy and Titanium Tubes and Tube Sheets
- Tube joints Strength Welded per ASME Code
- Easy access to the Tubes for cleaning
- Simple Oil Management
- Touch Screen Control Panel. Remote Communications Control (RCC) package available
- Design per ASME with “U” stamp and National Board registration
- Rated for 100 to 3000 psig @ -275° F to 1100° F
- Canadian Registration (CRN), PED (CE Marking), DNV, Australian 1210, Chinese GB-150/151 and Russian RS standard can be provided



GB-150/151



RS



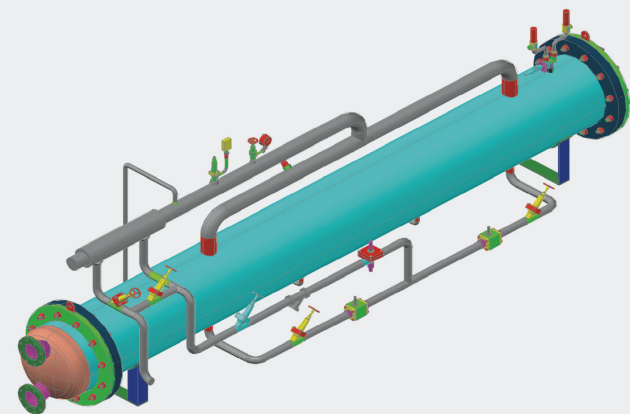
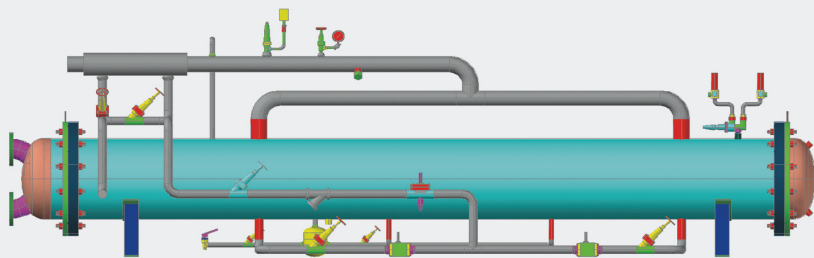
**240 TR SYSTEM
WITH 75 LBS AMMONIA CHARGE**

COMPARATIVE ADVANTAGES CHART

- Capacity: 200 TR → Ammonia SST: -8°F → Propylene Glycol: 45%
 → Temp In: 10°F → Temp Out: 0°F

| | Conventional Flooded S&T | PHE | SX [®] |
|--------------------------|--------------------------|----------------|-----------------|
| Shell Diameter (in) | 48 | NA | 28 |
| Tube Length (ft) | 20 | NA | 16 |
| Separator Diameter (in) | 24 | 42 | NA |
| Separator Length (ft) | 19 | 10 | NA |
| L (in) x W (in) x H (in) | 275 x 54 x 96 | 144 x 54 x 144 | 216 x 34 x 48 |
| Empty Weight (lbs) | 26,500 | 6,600 | 6,100 |
| Pressure drop (psi) | 18.1 | 14.5 | 9.5 |
| Ammonia Charge (lbs) | 3,558 | 656 | 95 |

TYPICAL COMPACT INSTALLATION



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