



Custom process designs and rendering solutions for a **sustainable tomorrow**



Condensers

Improve your rendering efficiency, and recover your process BTU's to lead the way in renewable, green energy

Shell & Tube Condensers - Condense your rendering vapors while recovering spent thermal energy. Re-capture millions of BTU's daily to heat your process water for FREE.

- Free hot water generation
- Maintains vacuum on vapor system to ensure efficient cooking
- Low maintenance
- Fully ASME certified
- Minimal operational costs

Air Condensers – a low cost, efficient way to condense your rendering vapors, and keep your cooker efficiency at maximum.

- Lower Investment.
- Does not use any water.
- Maintains vacuum on vapor system to ensure efficient cooking
- Low Maintenance

Contact Alloy today to speak with an engineer about calculations for your facility!

RETURN ON INVESTMENT

The decision to purchase an Alloy Shell & Tube Condenser, typically comes down to a rapid pay-back, and the need for heated water in the plant.

SAVINGS EXAMPLE

Cooking 100,000 lbs/day

@60% moisture to 8% moisture
equals

56,000 lbs/day of vapor

each pound of vapor contains
1,000 BTUs worth of latent heat

Capturing these BTUs would generate

56 MILLION = 67,000 gal

BTUs of heat
per day

of FREE heated
water per day
from 60F to 160F.

which equates to

SAVING
>\$100,000 annually

in boiler operation by using a shell and tube condenser instead.

CONTACT ALLOY

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