

A POWERFUL BREAKTHROUGH:

# Decarbonized Steam



## **The Skyven Arcturus Line of Industrial Steam-generating Heat Pumps**

Generate high-quality, emissions-free industrial steam that's cost-competitive today.

Our latest technology captures low-temperature waste heat from industrial processes, increases the temperature of that heat, and uses it to generate steam at the same temperature, pressure, and quality of existing boilers.

By decreasing the workload of existing boilers, Skyven's Arcturus line of industrial steam-generating heat pumps reduce your natural gas usage, significantly lowering on-site CO2 emissions from industrial steam.

**No other technology can do the same.**

## WHAT WE DO

We are an Energy-as-a-Service and industrial heat pump company that delivers emissions-free industrial steam at the lowest cost possible, with no CAPEX required.

# Advantages of the Skyven Arcturus Steam-generating Heat Pump

- » Connects directly into steam header and waste heat source
- » Operates entirely outside of the plant's existing production processes
- » Zero downtime during installation and maintenance
- » Over 3x efficiency compared to industry standard boilers (Arcturus COP of 2.7 (typical) or more, compared to COP of 0.83 for a boiler)
- » Reduces water usage, decreases wear & tear on cooling tower, and increases cooling capacity
- » Zero emission refrigerant (GWP = 0)

## The Specs

	BEST-IN-CLASS	SKYVEN
MAX TEMP	320°F (160°C)	420°F (215°C)
MAX STEAM PRESSURE	50 psig (3.4 barg)	300 psig (20.7 barg)
REFRIGERANT	HFC/HFO	Water

### Let's run the numbers.

Contact us at (214) 494-1152 or [sales@skyven.co](mailto:sales@skyven.co) to get started.

Together, we can profitably decarbonize your facilities.

## The Skyven Advantage

### ENERGY-AS-A-SERVICE

We cover the costs for projects, then share the savings recognized from the measured and verified clean energy delivered to your site.

### END-TO-END RESPONSIBILITY

We optimize and maintain the system for the life of the contract.

### Texas

4440 Spring Valley Rd,  
Farmers Branch, TX 75244

### California

5370 North Chestnut Ave.  
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