

Heat Pump
Hi-PAC 85

The heart of industrial energy solutions

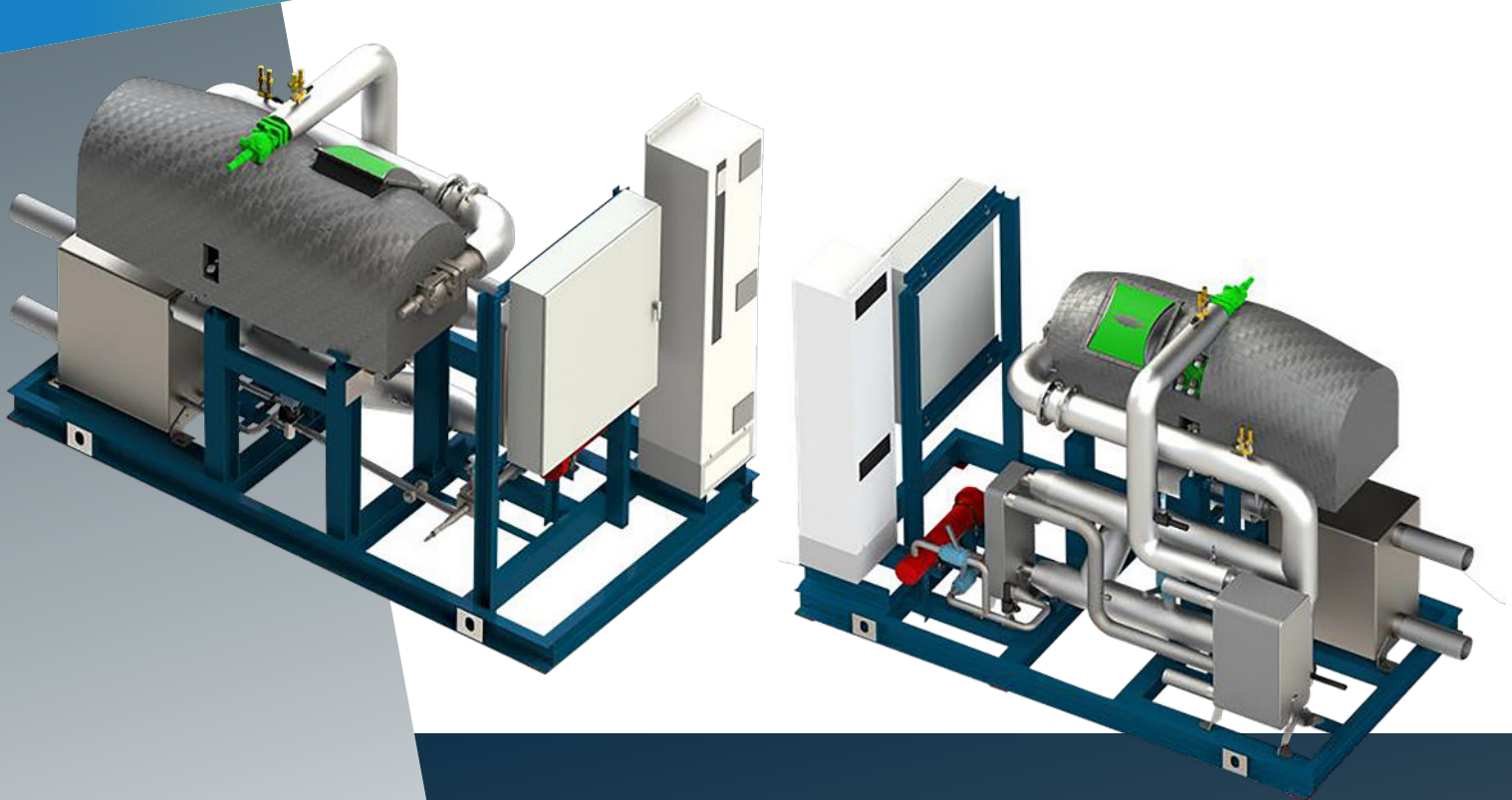
30  **CREATING
VALUE
SINCE 1993**

1171, rue Notre-Dame Ouest, suite 200
Victoriaville (Quebec) G6P 7L1

819 758-0313 www.sotek.com

SOTECK  **clauger** 
Air treatment + Energy efficiency 4.0

Heat Pump Hi-PAC 85



At Sotek Clauger, every energy decision counts for your operations and costs.

This is why we offer the **Hi-PAC 85 industrial heat pump** an innovative solution for heating and cooling, suitable for the agri-food industry and beyond.

Energy management is a constant challenge. **The Hi-PAC 85 heat pump** goes beyond a simple piece of equipment, offering an integrated solution to achieve your sustainability goals while significantly reducing your operational costs.

In a market flooded with unreliable options incapable of providing fluid at 85°C, **the Hi-PAC 85** stands out. It allows for pasteurization without a chimney, reducing both the ecological and economic impact. The R1233zd refrigerant remains the best alternative for protecting the ozone layer and reducing greenhouse gas emissions. Producing water up to 85°C, it is ideal for pasteurization in the dairy industry and other sectors.

Imagine an installation where every watt of energy is optimized, with reduced maintenance costs thanks to reliable and durable technology. This is what **the Hi-PAC 85 heat pump** offers.



We have already deployed the **Hi-PAC 85 heat pump** in an industrial cheese factory in Quebec, which managed to reduce its heating costs by 30% while meeting strict environmental standards. **This type of success showcases the efficiency and reliability of our technology.**



Heat Pump Hi-PAC 85

Key benefits: Robustness, Efficiency, and Durability



Unmatched industrial design for unyielding dur

The Hi-PAC heat pump from Sotek Clauger is synonymous with robustness and longevity. With high-quality industrial construction, it is designed to withstand the harshest operating conditions. Invest in a solution that will provide decades of reliable and durable performance, ensuring an exceptional return on investment.



Superior energy performance for maximum savings

With an overall Performance Coefficient (COP) of 6, the Hi-PAC heat pump is a leader in energy efficiency. Enjoy optimal energy use, reduce your operational costs, and improve the efficiency of your heating and cooling processes. This ensures superior energy performance, which translates into substantial savings.



Eco-friendly refrigerant for minimal environmental impact

The Hi-PAC uses R1233zd refrigerant, offering a low Global Warming Potential (GWP) of only 4.5 CO₂ equivalents and an Ozone Depletion Potential (ODP) of 0. This environmentally friendly choice minimizes your carbon footprint while adhering to stringent environmental regulations. Opt for a solution that supports your sustainability goals and enhances your environmental commitment.



Hydraulic intelligence for optimal and durable performance

Equipped with an advanced hydraulic system, the Hi-PAC heat pump ensures stable operation even at the edge of its mechanical limits. This innovative system protects the equipment, extends its lifespan, and reduces the risk of breakdowns. Guarantee consistent and reliable performance while maximizing the durability of your investment.



Take advantage of subsidy programs

As an innovative and high-performance piece of equipment, the Hi-PAC heat pump is eligible for various subsidy programs available in Quebec. These financial aids can cover a significant portion of the installation costs, making your investment even more advantageous. Take advantage of this opportunity to optimize your expenses while improving your energy installations.

100% modular
according to your
performance needs

**Heat recovery
from wastewater
and industrial flue gases**

The **Hi-PAC heat pump** is capable of capturing heat from municipal or industrial wastewater, as well as recovering heat from the flue gases of power plants and central heating systems. This recovered heat is converted into hot water, which can be used in industrial processes or for district heating, contributing to more efficient and environmentally friendly energy use.

Here is an example of a possible configuration and performance with our **Hi-PAC 85 heat pump** solution

Refrigerant: R1233zd – 80 kg
(GWP ou PRP = 1 (equivalent to CO₂))

Our **Hi-PAC 85 heat pump** uses 80 kg of R1233zd refrigerant, recognized for its low Global Warming Potential and excellent thermodynamic properties. This reduces environmental impact and complies with stringent emission regulations.

Cooling capacity: 190 kW/54 Tons

With a cooling capacity of 190 kW, our heat pump maintains optimal temperatures even in demanding production environments. This improves product quality and safety, thereby increasing your market competitiveness.

Heating capacity: 268 kW/ 915 MBH

The **Hi-PAC 85 heat pump** offers a heating capacity of 268 kW, providing the high temperatures necessary for various industrial processes. This results in significant energy savings by utilizing residual heat, thereby reducing operational costs.

Electrical consumption: 78 kW

With an electrical consumption of only 78 kW, our heat pump delivers high performance with low energy consumption. This reduces electricity costs and improves the overall energy efficiency of your installation.

Electrical: 575V/60 Hz/3 Phases

Operating on a 575V/60 Hz/3-phase power supply, our heat pump is compatible with standard industrial electrical infrastructures. This facilitates integration into your existing systems without requiring costly modifications.

Contact us now to discover how our solution can adapt to your unique needs and transform your facilities and enhance your energy efficiency!