

The complete Contherm® range



Contherm®	Contherm® HP	Contherm® Core	Contherm® Max	Convap®
<p><i>Single-wall scraped-surface heat exchanger for flexible production of products with medium to extremely high viscosities.</i></p> <ul style="list-style-type: none"> • More versatile: Contherm can handle products with or without particles and viscosities well in excess of 50,000 cP. It is the most versatile heat transfer solution on the market, with limitless opportunities for full-line utilization in any production environment. • More flexible: Continuous scraping action makes Contherm easy to clean with relatively low hold-up volumes. It can flexibly transition from one product to the next, meaning minimal product loss and downtime. • More performance: Robust designs with multiple material options optimize heat transfer and product throughput, giving long-lasting mechanical performance. • More safety, more savings: Each vertical Contherm has its own hydraulic system, allowing for fast, easy and safe inspection as well as service with minimal labour costs. 	<p><i>Single-wall scraped-surface heat exchanger for processing of medium to high viscosities under extremely high product pressures.</i></p> <ul style="list-style-type: none"> • More robust: Withstands up to 41.4 bar (600 PSI) of product pressure – twice as much as a standard single-wall scraped-surface heat exchanger. • More simplicity: A new self-aligning motor/gear box assembly eliminates the use of coupling components for simpler, easier, faster installation. • More space: Like the original Contherm, Contherm HP can be installed both horizontally and vertically, offering flexibility to meet specific preferences or space limitations. 	<p><i>Single-wall scraped-surface heat exchanger for cost-efficient production of low to medium-viscosity products.</i></p> <ul style="list-style-type: none"> • Less is more: Up to 15% CAPEX savings thanks to a simplified design that can handle viscosities ranging from 1000-50,000 cP. • More reliability: Contherm Core utilizes the same reliable pressure vessel components, mechanical seals and scraping blades as the other Contherm models. • Even more savings: Contherm Core's horizontal design offers easy, cost-effective installation. It is also simple to service, since all components are available at floor level. 	<p><i>Double-wall scraped-surface heat exchanger for high-capacity production of low to medium-viscosity products.</i></p> <ul style="list-style-type: none"> • More capacity: The double-wall design and large surface area provide the thermal equivalent of three traditional single-wall scraped-surface heat exchangers. • More ready to go: The vertical Contherm Max has a compact footprint and comes fully assembled for “plug-and-play” operation, dramatically reducing installation costs. • More product quality with low shear and low pressure drop: Contherm Max is especially suited to process shear-sensitive products with particles as large as 25 mm. Low rotational speeds and low internal pressure drop enable the gentlest possible product treatment. • More lifetime savings: Contherm Max provides significantly lower total cost of ownership than single-wall designs, thanks to an efficient single-drive motor that secures energy savings of up to 33% as well as lower lifetime maintenance costs. 	<p><i>Single-wall, two-phase scraped-surface evaporator with high efficiency for high-viscosity and high-fouling material.</i></p> <ul style="list-style-type: none"> • More thermal efficiency: Convap's continuous scraping action and removal of the fouling layer produces the highest achievable heat transfer coefficient, when concentrating high solids material. • More performance: Thanks to expert material selection and advanced equipment design, Convap can handle high-viscosity and high-fouling materials and exceed the limitations of other liquid evaporation solutions. • More product quality: Convap offers high temperature differential between product and media, while also operating under high-vacuum conditions. This allows heat-sensitive products to retain valuable colour, flavour and nutritive components. • More compact design: The vertical Convap requires a minimal amount of valuable floor space.