



REDUCE STEAM CONSUMPTION IN WHEAT HEATING

INNOVATIVE TECHNOLOGY FOR ENERGY-EFFICIENT OPERATIONS

Optimized wheat heating

The critical step of tempering wheat before milling is a thermal process that requires even heating at optimal rates. The evenly distribution of heat transfer to every grain has multi-fold advantages, from improved yields, consistent and even water absorption to practical consideration of avoiding condensation during transport, storage and processing.

The Solex Advantage

Solex provides the wheat industry with solutions that allow for efficient heat transfer with innovative welded plate channel design. The compact and efficient use of heat transfer area provides optimal utilization of available waste heat sources. Low-grade energy that is otherwise wasted or not economical to recover can be a source of cost savings by reduced steam consumption.

The combination of proprietary thermal modelling software and guaranteed mass flow design results in optimal heating of every individual grain.

Solex's advanced thermal modeling, rich reference list and years of experience in this field makes Solex the ideal partner for your next wheat heating application.



PROPRIETARY TECHNOLOGY THAT MAXIMIZES ENERGY EFFICIENCY

Waste heat utilization

Solex plate technology provides more than double the heat transfer area in the same volume compared to traditional tube design. This feature is essential to heat transfer efficiency when dealing with a low-grade heat source from a heat recovery loop.

Compact design

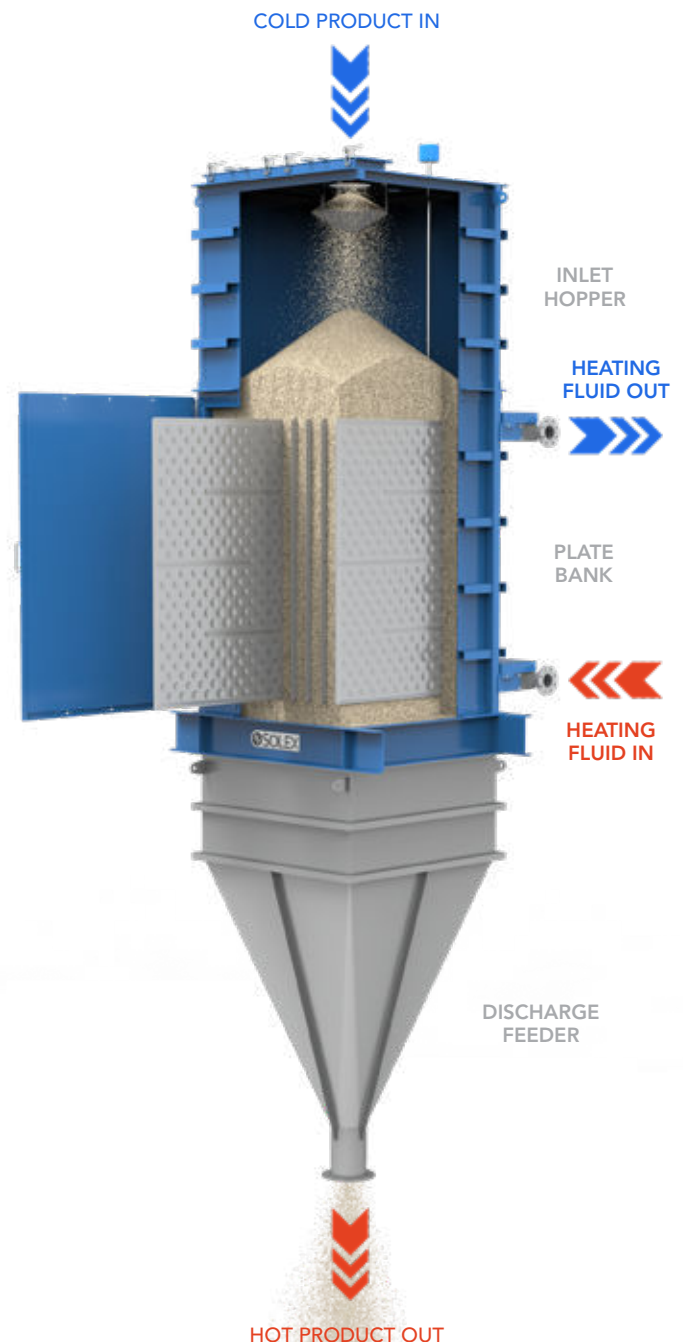
The innovative and compact design — based on welded heat exchanger plates — allows the Solex unit to be easily integrated into a new plant or retrofitted into existing plants. Within existing plants, the Solex wheat heater can be installed in conjunction with the existing equipment. Solex heating technology is also beneficial in capacity increase projects. Through the modular design of the Solex unit, additional plate banks can be stacked vertically to increase capacity.

Reduced installation & operating costs

Solex technology is designed to operate without moving parts, offering simple installation, low maintenance and years of reliable operation. The custom design reduces downtime and lowers maintenance expenses by incorporating easy access to heat transfer areas for cleaning, removal and isolation of individual plates when required.

Low abrasion

Our heat exchange technology is capable of effectively heating highly abrasive and dense materials without degradation or wear to the exchanger or heat transfer plates. The mass flow design ensures uniform material flow controlled at low velocities.



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