

Energy-saving spiral wound tube



Overview

The spiral tube heat exchanger is a high-efficiency alternative to conventional shell-and-tube designs. What is SWT Spiral wound tube heat exchanger Among many high efficiency and energy-saving heat exchangers, winding tube heat exchanger has irreplaceable position in some industrial processes because of its unique advantages, such as compact structure, high heat exchange efficiency, long service. At Himile, we have successfully developed high-efficiency and energy-saving spiral wound tube heat exchanger and corrosion-resistant silicon carbide heat exchanger, among which silicon carbide ceramic tube heat exchanger is known as a technological revolution of corrosion-resistant heat exchanger. By development of Spiral Wound Tube bundle, which could create strong turlulent flow in tube side. Long service life The spiral wound tube structure greatly improves the service life of the heat exchange tube and the tube sheet due to thermal expansion and contraction, Simultaneously made of all stainless steel material, it is resistant to high temperature, high pressure, and corrosion.



Article Content

Highly Efficient Energy-Saving Spiral-Wound Tube Heat Exchanger for ...

Highly Efficient Energy-Saving Spiral-Wound Tube Heat Exchanger for Refrigeration Systems for High Low Temperatures Compact No reviews yet Tengzhou Jiangong Machinery Equipment

Welded Spiral Heat Exchangers | Robust and Efficient

Up to three times higher heat-transfer coefficients than shell-and-tube units, delivering significant energy savings and lower operating costs. Designed for pressures up to 200 barg and temperatures from

Automated multi-stream spiral-wound heat exchanger design and ...

This study develops a novel incremental-based heat transfer framework for the automated design of single-phase SWHEs, which simultaneously optimizes multi-stream allocation

Spiral-Wound Tubes from PPG

We make both spiral-wound paper and plastics solutions. Paper tubing – Our spiral-wound paper tubes come in a variety of materials and specifications. Our materials range from

Energy-saving Type Spiral Wound Heat Exchanger

The unique spiral-wound tube bundle is elastic, effectively alleviating the stress of tube and tube plate separation caused by temperature difference and vibration, and significantly prolonging the service life.

Energy Efficient Wound Tube Heat Exchanger for Construction

Durable and Long-Lasting: Crafted from premium materials, the spiral wound tube heat exchanger is engineered for durability, providing a long service life even under extreme temperature and pressure

Smart Integration of Electric Heaters and High-Efficiency Spiral Tube ...

The spiral tube heat exchanger is a high-efficiency alternative to conventional shell-and-tube designs. Its unique structure—coiled tubes around a central pipe within a shell—creates a true countercurrent

Spiral Wound Tube Heat Exchanger

The spiral wound cylindrical structure completely eliminates the pull-off force between the heat transfer tubes and the tube plates, greatly extending the product's lifespan.

NEW SPIRAL WOUND BIOELECTROCHEMICAL SYSTEMS AND

and Environmental Engineering) New Spiral Wound Bioelectrochemical Systems and Control Automation for Energy Production and Wastewater Treatment Thesis directed by Associate

Spiral Wound Tubes

Spiral Wound Tubes The spiraling technique consists in coupling a series of adhesive-coated strips, winding them around a mandrel, obtaining a tubular

A Tool for Any Task: Spiral Wound Tubing Materials

Corrosion prevention Bolt insulators Electrolock has produced premier insulation products, including the use of many spiral wound tubing materials, for the high

Spiral wound tube heat exchanger

Adopting an asymmetric design and counter current heat transfer, compared to traditional tube bundle heat exchangers, this type of heat exchanger uniformly wraps each heat exchange tube in a spiral

SWT Spiral wound tube heat exchanger

Due to the unique spiral wound tube structure, the material and circulating water form a strong turbulent flow state in the heat exchanger, making the cold and hot media fully contact with the tube wall,

Himile Heat Exchangers

At Himile, we have successfully developed high-efficiency and energy-saving spiral wound tube heat exchanger and corrosion-resistant silicon carbide heat exchanger, among which silicon carbide

3 Money-Saving Attributes of Spiral Wound Pipe

Considering spiral wound lining as a trenchless rehabilitation method for your next project? Here are three beneficial ways this technology can save

Numerical investigation on the application of elliptical tubes in a ...

Abstract The elliptical tubes were proposed to use in a spiral-wound heat exchanger to boost the shell-side transfer rate with the decrease of shell-side pressure drop. The effects of major

Spiral Wound Module

Spiral wound modules are defined as membrane systems created from flat thin-film composite (TFC) membrane sheets rolled around a central permeate collection tube, utilizing porous spacers to

Smart Integration of Electric Heaters and High

The spiral tube heat exchanger is a high-efficiency alternative to conventional shell-and-tube designs. Its unique structure—coiled tubes around a central pipe within

Automated multi-stream spiral-wound heat exchanger design and ...

In a spiral-wound heat exchanger, a central mandrel is encircled by multiple layers of spiral wound tubes. The hot (or cold) fluid flows through these spiral tubes either from top to bottom

Spirally wound tubes and caps for electrical insulation

Applications of the insulating sleeves The spiral wound foils are generally used for the electrical insulation of wire connections and thermal

A review of spiral wound membrane modules and processes for

The objective of this paper is to review how spiral wound membrane modules (SWM) are being used to filtrate water, with specific focus on groundwater sources, to make it suitable for

Energy-saving Type Spiral Wound Heat Exchanger for Food Processing

Product descriptions from the supplier [1] The precisely designed spiral-wound tube bundles enable the medium to form intense turbulence in both the tube side and the shell side. Compared with

Design Technology of Large-scale Spiral Wound Heat Exchanger in ...

ZHANG Xianan. Energy-saving & industrial example of the high-effected wound-tube heat exchanger . Pressure Vessel Technology, 2008, 25 (5): 54-57.

Spiral-wound Tube Heat Exchanger

The Spiral Wound Tube Heat Exchanger is a highly efficient and energy-saving heat transfer device. Featuring a unique spiral wound tube structure, it demonstrates significant advantages in heat

What Is a Spiral Wound Heat Exchanger and How Does

Final Thoughts The spiral wound heat exchanger is a versatile, space-saving, and efficient solution for industrial heat transfer especially when dealing

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