



Shanghai
Heat Transfer
Equipment

Wide-Gap Welded Plate Heat Exchanger

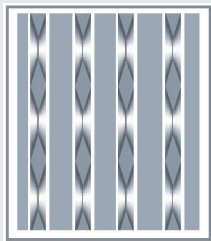
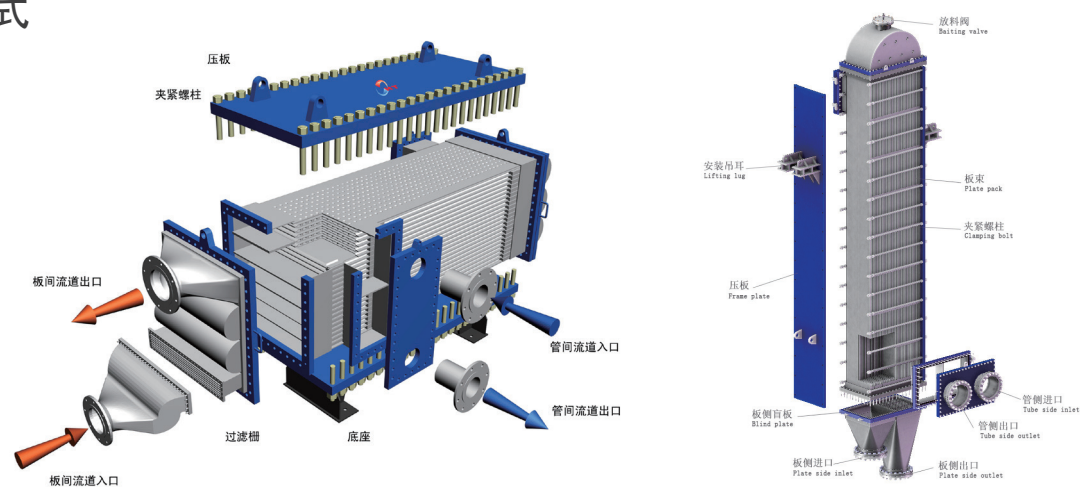
宽通道焊接板式热交换器

宽通道焊接板式热交换器有窝状和柱状两种板片形式，板片之间形成介质流道，周边通过焊接密封，替代了可拆卸板式热交换器的橡胶垫密封结构，适用于制糖、造纸、冶金、酒精、石油、化工等行业生产工艺中处理含有大量固体颗粒、纤维悬浮物，以及粘稠状或高温流体的加热或冷却。由于热交换板片结构的特殊设计，使传热效率及压降损失优于同工况条件下其它形式的热交换设备，宽间隙流道内流体流动顺畅、无滞留、无死区，可有效防止流道堵塞，减缓磨蚀现象发生。

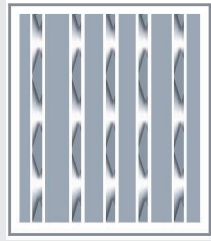
There are two plate patterns for wide-gap welded plate heat exchanger, are, dimple pattern and studded flat pattern. Flow channel is formed between the plates sealed by welding. Wide-Gap Welded Plate Heat Exchanger is suitable for heating or cooling process in sugar mill, pulp & paper, metallurgy, ethanol, petro-chemical and other industries where fluid containing solid particles, fiber suspensions or viscous fluid. WGPHE surpass other type of exchangers in the same process in high heat transfer efficiency and low pressure drop. The fluid flowing in the exchanger smoothly without clogging.

Structure of plate pack

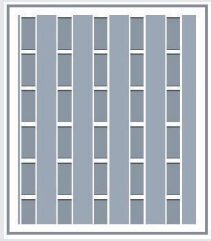
芯体形式



一侧流道为窝状波纹板形成触点，并在触点部位点焊的通道，较干净的介质流经此通道；另一侧流道为窝状波纹板形成宽间隙、无触点的通道，含有固体颗粒或高粘度的介质流经此通道。
The channel at one side is formed by spot-welded contact points between dimple-corrugated plates. Clean medium runs in this channel. The channel at the other side is wide gap channel formed between dimple-corrugated plates without contact points, viscous medium or medium containing coarse particles runs in this channel.



一侧流道为窝状波纹板与平板之间形成触点，并在触点部位点焊的通道，较干净的介质流经此通道；另一侧流道为窝状波纹板与平板之间形成宽间隙、无触点的通道，含有固体颗粒或高粘度的介质流经此通道。
The channel at one side is formed by spot-welded contact points that are connected between dimple-corrugated plate and flat plate. Clean medium runs in this channel. The channel at the other side is formed between dimple-corrugated plate and flat plate with wide gap and no contact point. The medium containing coarse particles or viscous medium runs in this channel.



一侧流道为平板与平板之间焊接有圆形定距柱形成触点；另一侧流道为平板与平板之间形成宽间隙、无触点的通道，两种通道都适合含有固体颗粒、纤维或高粘度的介质流过。
The channel at one side is formed between flat plate and flat plate welded together with studs in between. The channel at the other side is formed between two flat plates without contact point. Both channels are suitable for viscous medium or medium containing coarse particles and fiber.



Features 产品特点

板片形式:	窝状、柱状	Plate pattern:	Dimple, studded flat plate
设计压力:	真空~3.5MPa	Design pressure:	Vacuum~3.5MPa
板片厚度:	1.0~2.5mm	Plate thickness:	1.0~2.5mm
设计温度:	≤350℃	Design Temp:	≤350℃
流道间距:	8~30mm	Channel gap:	8~30mm
最大组装面积:	2000 m ²	Max. surface area:	2000m ²