

Corrosive Application Case 腐蚀性工况案例

Application: High Pressure-High Corrosion

工况特点：压力高，腐蚀性强

Our customer required a heat exchanger for cooling hot gas containing EDC (Ethylene Dichloride) and water traces of HC 1 (Hydrogen Chloride). At pressure of 20.69 bar they wanted to cool using chilled water at 10°C and a flow rate of 10 gpm. Cooling the gas from 160°C to 20°C; in addition geometry could be an issue.

我们的客户要求换热器将含有二氯乙烯和盐酸蒸汽的热空气从 160°C 降到 20°C，压力是 20.69bar。冷媒为流速 10 加仑/分钟，温度 10°C 的水，并且安装空间受到限制。

Solution 解决方案

- 23 Series Heat Exchanger, Model # 00540-03
23系列00540-03
- All Titanium, NPT fittings.
钛材，螺纹连接
- 37 tubes, 094 in. OD
37根直径为0.094英寸的内管（约2.39mm）
- 1.19 sq. ft. heat transfer area
换热面积为1.19平方英尺（约1105.55cm²）。



Feature & Benefits 特点及优势

- Compact design (16" Long) 体积小（16英寸长）
- High pressure and temp rating 耐高温高压
- Titanium Series for corrosive applications 钛材适用于腐蚀性物料
- Full material certification package 可提供全套证书
- No maintenance 无须维护