

Solaris Hydroheater

Brand: Hydro-Thermal



Short Description

The Solaris® features a Cross-Flow Diffuser that injects steam across the entire cross-section of flow to ensure thorough mixing and a uniform temperature profile. It utilizes low shear flow, making it ideal for slurries with high solid contents and process fluids where chunk size must be maintained.

Description

Pressure & Temperature Max Pressure – 300 PSIG / 20.7 Barg Max Temperature – 450°F / 232°C Flow Turndown Up to 10:1 Liquid Turndown Connection Types ANSI Class 150 & Class 300 DIN PN16, PN25, PN40 Straight-Through design delivers uniform heating and mixing without plugging Patented Cross-Flow Diffuser uniformly distributes the heat into the liquid Rotating Stem Plug meters and regulates steam flow Instantaneous condensation of steam eliminates hammer and vibration Multiple heater sizes to meet your process needs Precise temperature control $\pm 1^{\circ}\text{F}$ [$.50^{\circ}\text{C}$] Straight through design Low pressure drop compared to other steam injection technology Ensures thorough mixing and uniform temperature profile Low shear, maintains particle size Directly integrates into existing plant utilities Available as a standalone heater or skidded system Multiple heater sizes to meet your process needs Stainless steel cast construction designed to withstand the most severe applications; other custom materials available