

Innovative Hot Gas Drain Pan Design Delivers Unmatched Performance and Quality for Industrial Evaporators

The new SGS drain pan is suitable for applications requiring pressure ratings of up to 120 bar, encompassing all environmentally friendly, sustainable and natural refrigerants, such as NH3 and CO2.

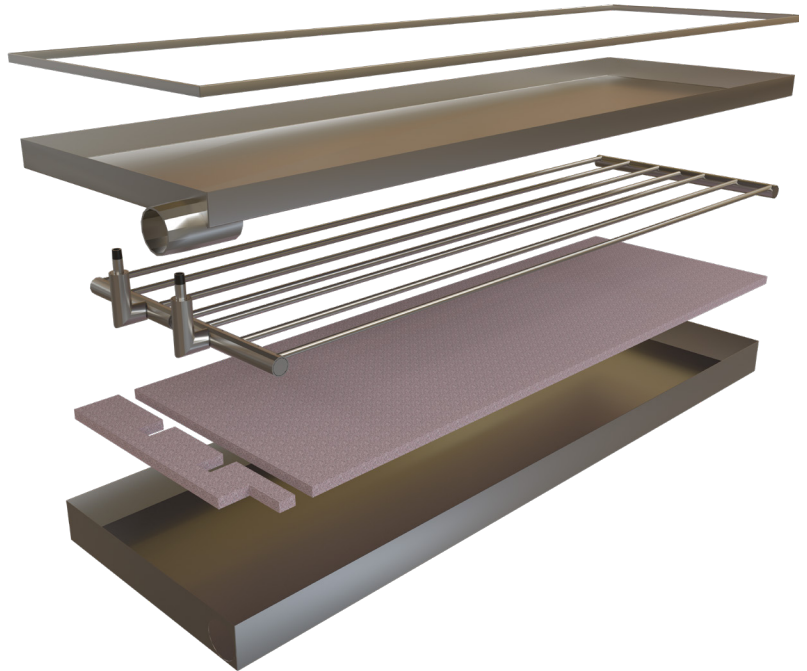
Backed by **100+ years of engineering excellence** in the Global Cooling Market, SGS Refrigeration's new Hot Gas Drain Pan design for its industrial evaporators brings a fresh take on defrost and is assembled using **cutting-edge laser welding technology** on durable stainless steel pan and tube components. Laser welding is more precise and uniform than other options, creating a hermetic seal and providing improved heat transfer efficiency and other benefits, including:



Improved Heat Transfer

Reduced thermal resistance, enhanced surface contact, and minimized heat loss all help to increase the heat transfer efficiency ensuring the pan defrosts evenly.

- **Reduced Thermal Resistance** – Improved union between the tubes and the drain pan, eliminating air gaps
- **Enhanced Surface Contact** – Optimal tube-to-pan contact, maximizing heat exchange area
- **Minimized Heat Loss** – Tight seals prevent heat loss due to leakage or convection currents



Enhanced Durability

Robust and durable connection that can withstand thermal expansion and contraction without compromising structural integrity



Consistent Quality

Provides precise control over the welding process, resulting in consistent, high-quality connections. This ensures uniformity and reliability across multiple units or production batches, reducing variability in performance.



Corrosion Resistance

Hermetic seal between the tubes and the drain pan minimizes exposure to moisture and corrosive agents. This helps extend the service life of the evaporator and reduces the risk of corrosion-related failures.

TO LEARN MORE

Scan the code below to contact your local SGS rep

