

New Model

S-TYPE CONDENSER

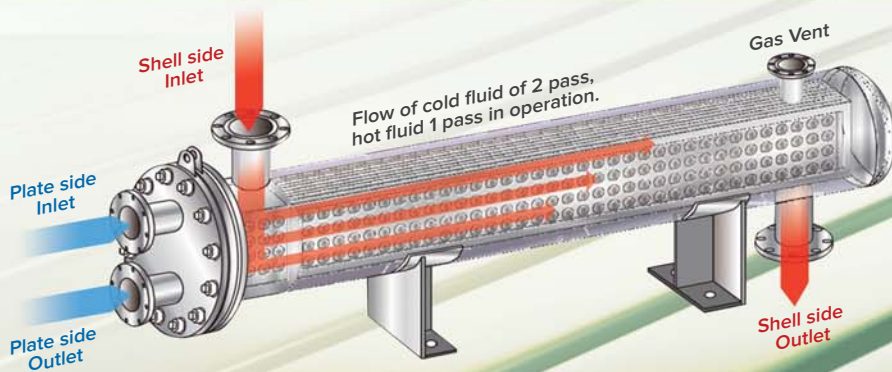
For Pharmaceutical Industry
(GMP Compatible)

Flexible Installation

Smooth Liquid drainage

Compact Structure

Free flow structure to avoid contamination



The Structure of Model

S-type condenser is a structure in which a plate bundle with welded dimple plates is inserted into the shell of the body.

HISAKA S-TYPE CONDENSER



Flexible nozzle design



Sight glass

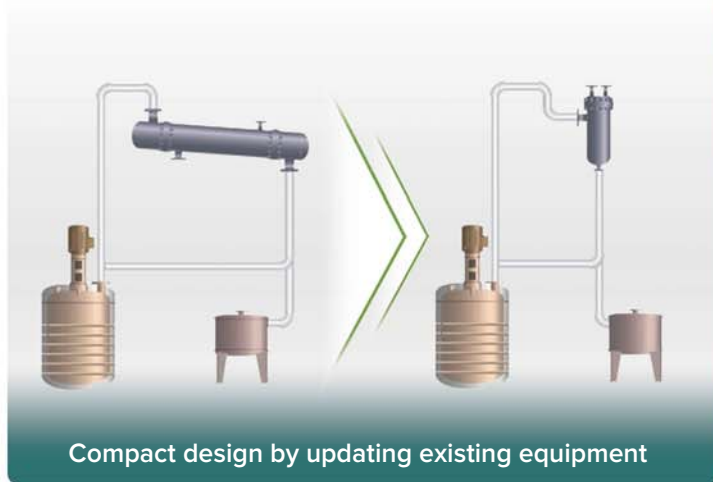
Features

- Suitable for horizontal & vertical installation
- Able to conduct plate rotation
- Smooth liquid drainage
- Eliminates leakage
- High detergency with free flow path

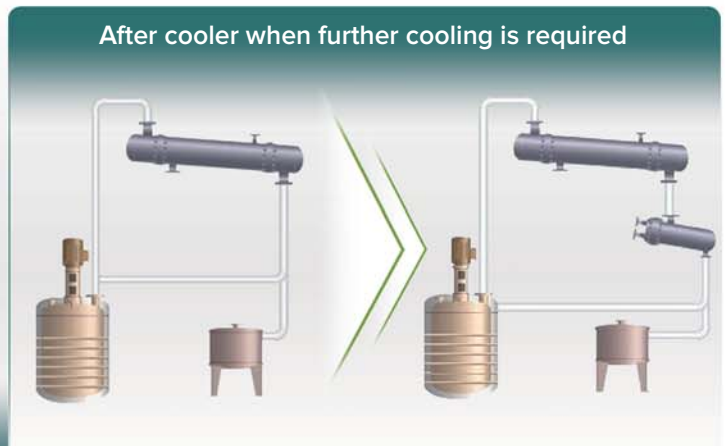
Operating pressure	F.V. ~ 2.5 MPaG
Temperature	-80 ~ 350 °C
Heat Transfer area	0.6 ~ 600 m ²
Plate material	Stainless steel, Duplex Stainless Steel, High Nickel Alloy

Applications

Optimal for vacuum vapor condenser, gas cooler, aftercooler, GL heat exchange replacement



Compact design by updating existing equipment



After cooler when further cooling is required

Comparison Table

Specification	Glass Lining Heat Exchanger	S-type condenser
Surface Area [m ²]	5	3
Weight [kg]	600	160
Size [mm]	800 x 2500	650 x 1300
Thermal conductivity [W/(m·K)]	1	10

S-type Advantages

1. Plate bundle is made of stainless steel or high nickel alloy. It does not require a lining and has high thermal conductivity.
2. Due to the small holding volume, the amount of chemicals used during maintenance is reduced.
3. Shell side has a free flow structure, so it can be visually inspected.
4. Gasket has stable sealing performance only on the flange surface.
5. Easy to maintain & robust compared to glass lining heat exchanger.
6. Water jetting is possible because no lining is required.
7. Damage due to the difference in thermal expansion between the base metal and the lining can be avoided due to component be wetted are stainless steel or high nickel alloy.