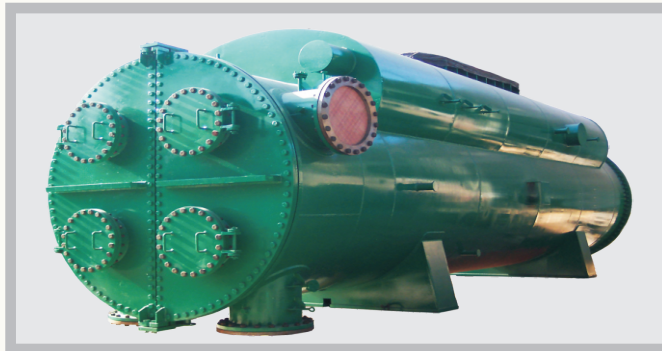


# STEAM SURFACE CONDENSER

## Steam Surface Condenser

New field surface condensers are planned to condense turbine exhaust steam in power generating or mechanical drive applications. The condenser produces a vacuum at the turbine discharge raising the overall cycle efficiency.

New field condensers have proven to be reliable and are chosen for applications all over the world, including installations in chemical processing plants, refineries, marine applications, and power generation facilities. A variety of fabrication in Chemical processing plants, refineries, Marine applications and power Generation Units. New Field Provides Varieties of fabrication options, materials, and configurations are employed to satisfy today's challenging technical requirements.



## Product Range

- » Surface condenser is available up to **30,000 Sq. Feet Surface Area**
- » For Compact Condenser for HVAC to large cylindrical Surface condenser for Refineries & Chemical plants to Modular Rectangle condensers used in the Power generation.
- » Available to meet Down, Top or for axial exhaust configuration.
- » Supply condenser up to 12 feet Diameter
- » Optimize design solutions while using minimum components.
- » One stop solutions by offering support starting from Designing to Manufacturing to Shipment to meet customer requirements.



## Advantages New Field Offers:

- » Proven Record in Manufacturing of Surface Condenser
- » Wide Range of products
- » Field supervision and after Sales Services
- » Manufacturing capabilities
- » Integrated condensing system along with Condenser
- » Single Source Responsibilities

## Material of Construction:

### Shell:

Carbon Steel is being widely use as standard material for shell

### Tube:

- » Stainless steel
- » ADM Brass
- » Cupro Nickel
- » Titanium
- » Other Exotic Materials

## Design standards and codes

New field has the capability of supplying surface condensers that are compliant to various engineering standards or design codes. Typical codes and standards include Heat Exchange Institute Standards for Steam Surface Condensers, ASME Section VIII, Div. 1, TEMA (B, C, or R), and API 660. In addition to fulfillment with published codes and standards, in-house finite element analysis and solid modeling software packages are employed to assist design engineers with the assessment of wind and seismic design requirements. Further design analysis relating to tube vibration, unique loading applications, structural support analysis, and quality assurance procedures, such as x-ray examination or positive material identification, are used to ensure a quality product is supplied meeting your specification requirements.





## Applications:

- » Power Systems
- » Refinery and Petrochemical units
- » Chemical processing industries
- » HVAC
- » Paper Industries
- » Steel Industries
- » Metal Refineries
- » Sugar and food processing Industries

## Accessory Equipments:

Addition to Surface Condenser New Field offers accessory equipments to complement surface condensers for various applications. The design, manufacturing & supply of these critical accessories makes New Field a Unique player in Surface Condenser and integrated system manufacturer.

- » Steam Jet Ejector for air removal packages are designed and supplied with the condenser as a complete system.
- » Complete condensing system can be supplied which includes Condenser, an enhanced venting package and a makeup water de-aerator, which work as a unit to provide low oxygen content condensate for combined cycle power systems.

## Field Supervision & Service:

New Field offers services for system start up, field erection or operational trouble shooting. New Field has proven installation experience, which has brought customer satisfaction all over the world.



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