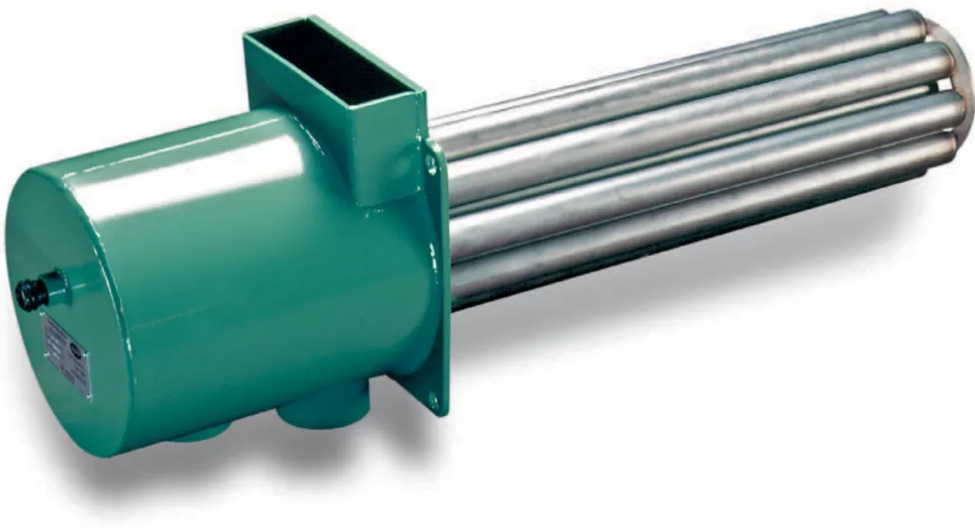


SELF RECUPERATIVE AND RADIANT TUBE BURNERS

Bayonet Ultra Recuperator

High efficiency plug in recuperators designed to be paired with the Tube Firing Burner for improved fuel usage. Testing for bugs

Overview



Bayonet-Ultra Recuperators are high efficiency heat exchangers designed to fit into the exhaust leg of single, U, O, W or Trident-type radiant tubes. They're frequently paired with Tube Firing burners and suitable for use with exhaust streams up to 2100 Degrees Fahrenheit provide fuel savings up to 30%. Conventional recuperators have only one heat transfer tube. Each Bayonet-Ultra contains multiple tubes to dramatically increase the heat transfer area while significantly decreasing the amount of fuel required to maintain required heat levels. Plus, an air cooled housing cools the work area.

Features & Benefits:

- Versatility and adaptability are designed into the Bayonet-Ultra
- New or retrofit installations rarely require special brickwork, radiant tube or exhaust modifications
- Bayonet-Ultra recuperators are available in four sizes to fit radiant tubes with inside diameters from 3 to 8
- A choice of pressure drops makes it easy to match most existing blower systems
- Tube lengths can be adjusted to meet exact installation requirements
- During installation, multiple-tube furnaces don't have to be shut down; only the tube being fitted

Specifications

CONNECTIONS & INTERFACES

Air Inlet Connection

- 2 in NPSC

Air Outlet Connection

- Square air outlet

DIMENSIONS & SIZE SPECIFICATIONS

Sizes

- 3 BU, 4 BU, 5 BU, 6 BU

COMBUSTION, FUEL & MIXING SUB-SYSTEMS

Recuperator Design

- Bayonet-type



AIR/EXHAUST/FLUE GAS TEMPERATURES

Preheated Air Temperature

- Up to ~740 deg F (393 deg C) depending on size and conditions

Maximum Exhaust Temperature

- Up to 2100 deg F (clean exhaust)

MATERIAL SPECIFICATIONS

Material

- Cold drawn NiCr stainless steel tubes, stainless steel exhaust extension

INSTALLATION, ORIENTATION & LAYOUT

Exhaust Stream Type

- Clean exhaust streams

COMPONENT/GEOMETRY COMPATIBILITY

Compatible Radiant Tube Types

- “U”, “O”, and Trident type radiant tubes

APPLICATIONS & COMPATIBILITY

Applications

- Radiant tube exhaust heat recovery

PRODUCT DESIGN & CONFIGURATION

Alternative Version

- Single-tube version for higher temps, dirty flue, or low pressure drop

Filters

▼ CATEGORY

☒ Base Part

☒ Spare Part

▼ TYPE

☒ Recuperator

☒ Recuperator Extension

☒ Gasket

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