

## OIL BURNER FOR REGENERATIVE FURNACES

The BDF oil burners have been designed for underport installation in End-Fired and Cross-Fired furnaces.

In order to achieve a better flame shape and length the heavy oil is atomized by compressed air.

Both the internal and the external nozzles are made of high temperature resistant stainless steel.

A special support is available to adjust the burner position. The support enables to adjust the zenith and azimuth angles as well as the burner vertical and horizontal axes.

Before being sent to the burners the heavy oil must be heated, by a group of electric heaters suitable, at a temperature up to 120 °C in order to reduce the viscosity to a value suitable for the best combustion in the tank.



## BURNERS FOR RECUPERATIVE FURNACES

The BDF preheated air burners have been developed for Recuperative Furnaces.

The hot air flow from the recuperator may be independently adjusted per each burner. In the body of the burner the air meets the fuel stream that is introduced by a gas or oil lance.

For natural gas combustion system we recommend the use of BDF special design for gas lances using a double stream of gas for a better regulation of the flame length and shape.

The burner is suitable for operation with air pre-heating temperature up to 800°C.

