

# AIR PREHEATER (APH)



Geurts International B.V. was founded in 1963. Since that time the company has gained extensive experience, knowledge and expertise in the field of heat exchanging equipment & heat transfer solutions.

We design and manufacture heat exchanging equipment for a variety of industries such as

Petrochemical/Chemical, Power generation and Energy. Heat exchanging equipment can be specifically designed to suit customer's requirements like highly corrosive, high temperature or high pressure applications. APH's can be designed and built for high temperature applications up to 900 - 1000 °C.

**HEAT EXCHANGERS**

## AIR PRE-HEATERS

Air Pre-heater (APH) is a general term to describe heat exchanging equipment designed to heat air for another process.

For fuel-fired industrial heating processes, one of the most potent ways to improve efficiency and productivity is to preheat the combustion air going to the burners. The source of this heat energy is the exhaust gas stream, which leaves the process at elevated temperatures.



## USE AND RANGE

The Air Pre-heater finds use in a wide range of applications. In most cases flue gasses are used to pre-heat air for combustion applications with the primary objective to create a higher thermal efficiency of the process and to reduce on the fuel consumption. Air Pre-heaters are widely used to heat air for furnaces, steam reformers, incineration systems.

## DESIGN

The larger APH units are manufactured in a modular design, allowing for easily transportable pieces in the form of container. When modules are fitted together they form the building blocks for the APH. The APH can be combined with turn boxes and / or a steam air preheater.

Our solutions create benefits for our customers:

- Reducing your impact on our environment
- Improving the quality of our customers finished product
- Reducing energy consumption
- Energy recovery saves energy costs
- Turning waste to value



GEURTS INTERNATIONAL B.V.  
📍 HAAGSE SCHOUWWEWEG 8A  
2332 KG LEIDEN  
THE NETHERLANDS  
☎ +31 (0) 881704 600  
✉ INFO@GEURTSHEATEXCHANGERS.COM

[WWW.GEURTSHEATEXCHANGERS.COM](http://WWW.GEURTSHEATEXCHANGERS.COM)

  
**GEURTS**  
HEILIG GROUP