



Air Preheaters and Economizers



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Except for main product line, Benvig® can deliver various pieces of equipment used for both heat and fluid transfer.

Our solutions cover the tubular type for using especially for medium and small range of steam generators in thermal power stations, waste or biomass incineration plants and others (both air pre-heaters and economizers are called heat recovery systems in a boiler).

This tubular (recuperative) solution is built into the air/flue gas ducting system. Air Preheaters for process air (mainly combustion air for boilers)

Benvig® is able to make customized design for variations:

- ❖ Air or Water / Flue Gases "Economizers" (feed water heated by flue gases)
- ❖ Dimensions of the heater are designed according to existing duct
- ❖ Tubular heaters consist of straight tubes or bended U- tubes
- ❖ Air or Water / Steam, Condensate, Hot Water "Air Preheaters" (comp. air heated by steam or water)

Reducing heat/temperature of flue gas conveyed to the flue gas stack or chimney (higher efficiency of the boiler)

❖ **Our solutions can be designed with:**

Plain tubes (especially for high ash coals suitable and recommended for ash-erosion failures) | Finned tubes (incl. extruded steel finning) | Special materials for high temperature operation | Different materials for tubes & finning can be used like steel, stainless steel, copper, aluminium and other special materials



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**Our roots are in Czech,
but we work internationally...**

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*Former BRONSWERK HEAT
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