Energy savings with the MAREKU radiation recuperator

Special features:
- Fuel savings of approx. 25%
- Constantly high efficiency in continuous operation
- Low maintenance – even in case of strongly polluted combustion air or residues in the exhaust gas
- Easy to clean – no dismantling necessary
- No danger of overheating – all materials are heat-resistant up to 1 100°C
- Long service life
- Best price-performance ratio for maximum energy savings

Recuperation during Tempering
[110 ton-ladle with pitch bonded dolomite lining]

The MAREKU radiation recuperator was especially designed for ladle preheaters, and has proven very successful in operational application.

Evaluated operating time:
1 400h within a duration of eleven weeks.
This equals an operating time of more than 6 000 hours per year.

Energy
Fuel: Natural gas
Inlet press. = 40 - 50 mbar
Price = 0,23 Euro/m³

Preheating
Average consumption [m³/h]:
- with MAREKU: 78
- without MAREKU: 100

Consumption per year at 6.000h [m³]:
- with MAREKU: 468 000
- without MAREKU: 600 000

Annual gas savings [m³]:
- with MAREKU: 132 000
- without MAREKU: 30 370

Annual savings [EUR]:
Average savings:
- with MAREKU: 22%
- without MAREKU: < 9 months
BEP: < 9 months