



## Pulsed regenerative burner system

- ➔ Extremely high level of efficiency
- ➔ Greater productivity
- ➔ Reduction in fuel consumption / CO<sub>2</sub>

# PulsReg<sup>®</sup>-Zentral

## Pulsed regenerative burner system

### Pulsed regenerator – an arbitrary number of burners

The regenerator is purpose built for corrosive and dusty furnace atmospheres. It achieves excellent levels of efficiency in this environment and a clear reduction in CO<sub>2</sub>.

The system consists of two regenerators. The waste gas and hot air flows are separated. The burner groups are not allocated to the regenerators, and waste gas does not flow through them. Instead the exhaust gas from the furnace, which can be found at the procedurally best location in the furnace, is fed separately to the regenerators.

### Advantages:

- > An extremely high level of efficiency
- > Greater productivity
- > Less consumption
- > Perfected technology
- > CO<sub>2</sub> reduction of up to 60%
- > NO<sub>x</sub> < 350 mg/Nm<sup>3</sup>
- > Air preheating up to 1,000 °C
- > Various ratings are defined according to requests and are freely selectable

### Pulsating change of flow direction

The regenerators change in cycle under nominal load. This pulsating change of flow direction is controlled by valves (four-way control). And the regenerator equipment corresponds to the rules laid down by DIN/DVGW: Each burner has its own means of ignition and flame monitoring.

RegClean<sup>®</sup> can be used.



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- 1 PulsReg<sup>®</sup>-Zentral, 3.6 MW
- 2 PulsReg<sup>®</sup>-Zentral, 12 MW
- 3 Scrap chamber MultiMelter<sup>®</sup> with PulsReg<sup>®</sup>-Zentral

### An overview of our regenerators:

- EcoReg<sup>®</sup>
- PulsReg<sup>®</sup>
- PulsReg<sup>®</sup>-Medusa
- **PulsReg<sup>®</sup>-Zentral**
- RegClean<sup>®</sup> (option)

More information at:  
[www.jasper-gmbh.de](http://www.jasper-gmbh.de)

