



## Pulsed regenerative burner system

- ➔ Specially designed for corrosive and dusty furnace atmospheres
- ➔ Any number of burners
- ➔ Can be used with different types of burners

# PulsReg® Medusa

## Pulsed regenerative burner system

PulsReg® Medusa is the logical development of the PulsReg® system. It was built specifically for corrosive and dusty furnace atmospheres. The equipment is used in furnaces that are equipped with multiple burners and/or different types of burners. Exhaust gas and hot air flow alternately in their respective pipes. The system is especially suitable for the optimal energy distribution in the furnace chamber when using a “short flame”.

### Advantages:

- > For gas, oil and pulverised coal
- > For corrosive and dusty furnace atmospheres
- > An extremely high level of efficiency
- > Greater productivity
- > Perfected technology
- > Fuel consumption / CO<sub>2</sub> reduction of up to 60%
- > NO<sub>x</sub> < 350 mg/Nm<sup>3</sup>
- > Air preheating up to 1,250 °C
- > Designed for both low and high temperatures
- > Various ratings are defined according to requests and are freely selectable

### Pulsating change of flow direction

The regenerators change in cycle under nominal load. The pulsating flow direction change in the regenerators occurs with the aid of valves (four-way control). Each burner is equipped in this respect with its own ignition and flame monitor pursuant to DIN/DVGW regulations.

RegClean® can be used.



- 1 MultiMelter® with PulsReg® Medusa system
- 2 PulsReg® Medusa system, 9 MW

### An overview of our regenerators:



EcoReg®  
Rotary bed regenerator



PulsReg®  
Regenerator burner



PulsReg®-Zentral  
Pulsed regenerative burner system



PulsReg®-Medusa  
Pulsed regenerative burner system



RegClean® (option)  
Cleaning system for regenerators

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

