global services

Energy-efficient Flare of Process Gases

The safe way to save energy

CONVERSION AND MODERNIZATION

Process security + Energy efficiency

Reliability at Work

SAVE ENERGY WITHOUT COMPROMISING PLANT SAFETY

For a **safe operation** of the furnace, a **controlled flare** of the excess process gasses is essential for plant safety. It is also **required** by the relevant **standard**. At the same time, the principle of controlled flare uses **a lot of energy**, as the relevant sources of ignition must usually be supplied with a **combustible gas**.

Any continuously operating **pilot burner** produces approx. **3,000 - 8,000 kg CO_2 per year** depending on the setting. Usually, there are at least two such burners installed in your plants. The entire infrastructure required for this ignition source (pilot burner, valves, electrodes, automatic burner control), also requires a **higher maintenance effort**, which is necessary for safe operation.

THE AICHELIN SOLUTION: EFFICIENT AND SAFE

AICHELIN has made a conscious effort to find a **new solution** by way of an electric annealing device. This is much lower in maintenance and uses significantly **less energy – while the safety level remains unchanged**.

This way, you can **reduce CO_2** emissions by up to **100%** with green electricity and yet maintain a high standard of safety. A special focus was put on keeping the mechanic **effort of conversions as low as possible** so as to **barely interrupt your production.**

Electric glow plug

YOUR ADVANTAGES

- Reduced **CO_2 emissions**
- Lower energy consumption and thus **lower running cost**
- Lower **maintenance effort**
- High plant safety and availability
- Complete **one-stop implementation**
- **Safe** and perfectly integrated **solution**
- Very **short production downtime**: The plant can be handed over for conversion while still in a warm operational state.

AICHELIN: YOUR RELIABLE PARTNER

- Ultimate **flexibility** while implementing customer requests (date, scope & extras
- High **competence** regarding plant modernizations
- Your project is in the **safe hands** of a market leader in heat treatment.
- Constant and **reliable partner** for project implementation

TECHNISCHE DATEN

- Operating voltage 230 V AC
- Power: approx. 130 W
- Max. temperature: 1,100 °C
- Annual CO_2: 0 kg if using “green” electricity
- Annual CO_2: 530 kg (if using current standard electricity mix)

AICHELIN Service GmbH
Schultheiß-Köhle-Straße 7
D-71636 Ludwigsburg
Tel.: +49 7141 64 370
service.de@aichelin.com

AICHELIN Ges.m.b.H.
Fabriksgasse 3
A-2340 Mödling
Tel.: +43 2236 23 64 60
service.at@aichelin.com

SAFED France SAS
17E, Rue Alain Savary
F-25000 Besançon
Tel.: +33 353 57 00 03
contact.france@aichelin.com

www.aichelin-service.com