

Flare Systems and Flare Stack Burners



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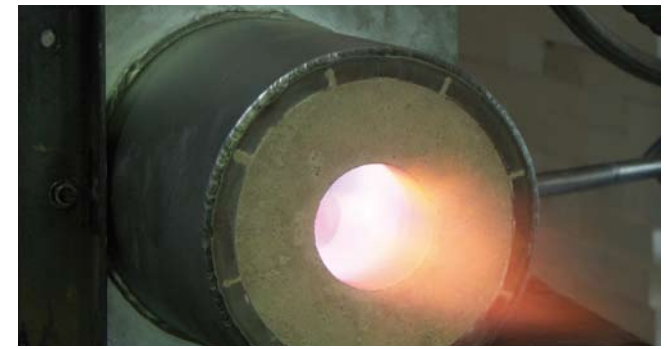
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Services

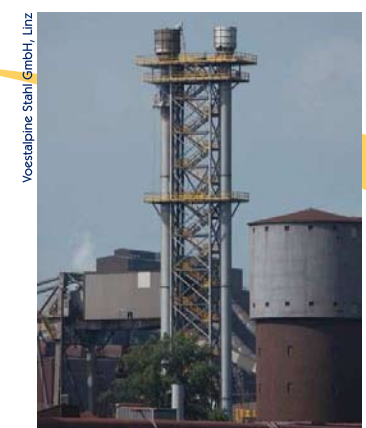
- Basic and detail engineering for flare systems
- Feasibility studies
- Sonic evaluation
- Evaluation of thermal radiation
- Supply of flare systems and flare stack burners
- Supply of flare stack ignition systems
- Rebuild, repair and increasing of capacity of existing flare systems
- Spare parts distribution
- Service and commissioning



Flare stack burner with twist counter and pilot burners



Flare pilot burner on testing facility



Flare for blast furnace gas



Flare for coke oven gas



Flare Systems

Product Features

- Secure flare of low calorific value gas, i. e. blast furnace gas with $H_u = 600 \text{ kcal/Nm}^3$
- Twist counter effects optimum mixing of flare gas and combustion air
- Control range 1 : 12
- Flare stack burner completely made of heat resistant stainless steel
- Rugged design with low maintenance
- Application-oriented construction
- Flare ignition by forced air pilot burner allows use of nearly any kind of fuel gas as ignition gas, also naturally aspirated pilot burners are applicable
- Ignition of pilot burners by high tension ignition devices
- Control of flare flame and pilot burners with thermocouples

References

- Turn-Key, flare system for blast furnace gas, $2 \times 100,000 \text{ Nm}^3/\text{h}$
- Basic and detail engineering for new construction of blast furnace flare stacks
- Supply of more than 50 flare stack burners for blast furnace gas, $60,000 - 367,500 \text{ Nm}^3/\text{h}$
- Flare stack burners for converter gas, up to $315,000 \text{ Nm}^3/\text{h}$
- Flare stack burners for coke oven gas, $10,000 - 50,000 \text{ Nm}^3/\text{h}$
- Flare stack burners for natural gas, $1,000 - 100,000 \text{ Nm}^3/\text{h}$
- Flare stack burners for process gas, $1,000 - 6,000 \text{ Nm}^3/\text{h}$
- Flare stack ignition systems for flares with blast furnace gas and converter gas