

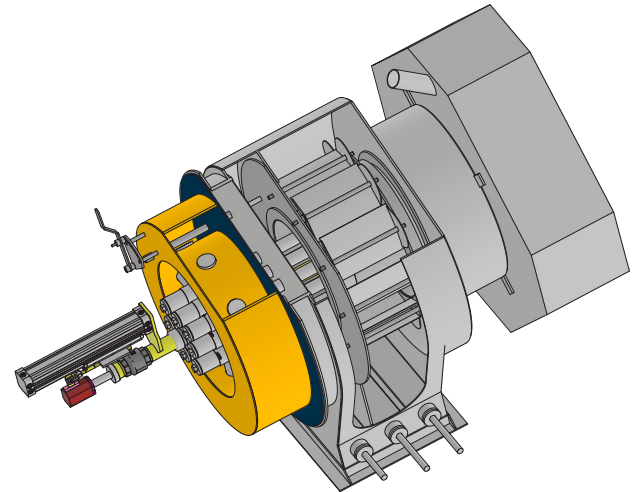


SUPER LOW NOx BURNER FOR GASEOUS AND LIQUID FUELS

The new M&S **Super Low NOx burner** is the consistent further development of the proven M&S Low NOx burner in the field of industrial firing technology.

In the burner power range between 5 MW and 100 MW, the **Super Low NOx burner** offers the extensive configuration and design options that are familiar from M&S, with even more significantly reduced NOx emission values.

At the same time, it has been possible to leave the low burner draft loss on the air side at 25 mbar, so that no changes have to be made to the combustion air blowers when replacing burners on old plants for emission or modernization reasons.



SIGNIFICANTLY IMPROVED INTERNAL FLUE GAS CIRCULATION

The innovative M&S **Super Low NOx burner** offers a significant improvement in internal flue gas recirculation. This allows NOx values (based on 3% O₂) of ≤ 70 mg/Nm³ to be achieved for natural gas operation without secondary measures.

To achieve the BAT limit of NOx ≤ 60 mg/Nm³ for natural gas operation, only about 10% external flue gas recirculation volume is required.

SUPER LOW NOx BURNER IS H₂-READY

Of course, the M&S **Super Low NOx burner** is also suitable for the use of pure hydrogen (H₂-ready).

WHY M&S?

- many years of experience with firing systems for power plants, industrial boilers and thermoprocessing plants
- all services - from engineering to commissioning - from a single source

ADVANTAGES OF THE SUPER LOW NOx BURNER:

- NOx values of ≤ 70 mg/Nm³ for natural gas operation without secondary measures
- NOx values of ≤ 60 mg/Nm³ for natural gas operation with only 10 % external flue gas recirculation
- Burner draft loss still only 25 mbar
- Familiar, extensive configuration and design options of the burner for various liquid and gaseous fuels
- Plant operation with pure hydrogen possible (H₂-ready)
- Burner can also be used as an extension or for modernization (refit) of existing plants



PLEASE CONTACT US!

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