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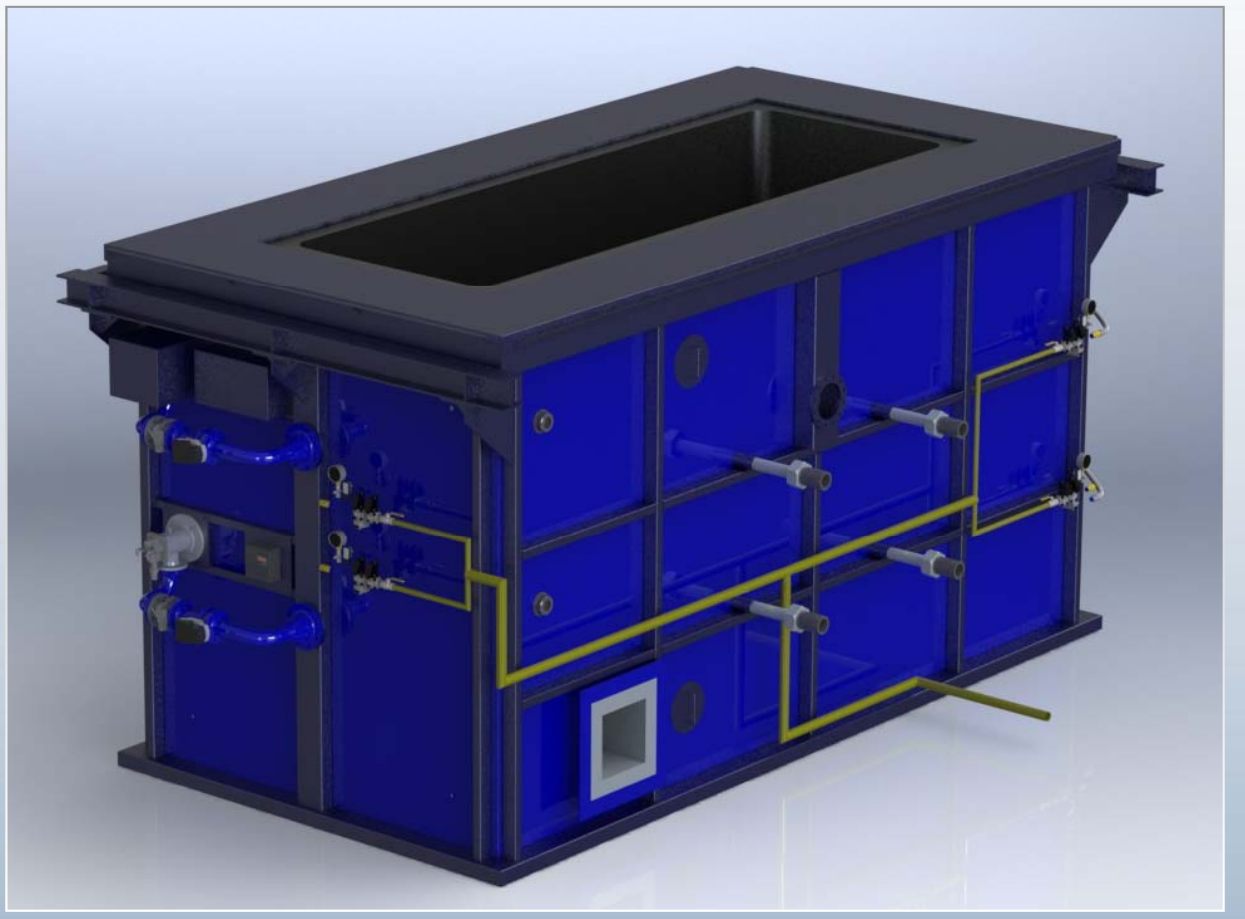

Gas Fired Recirculation Furnace with High Velocity Burners

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- **The high velocity burners** are robust and extremely stable burners that deliver combustion gas velocities in excess of 150 m/sec. The result is rapid and uniform heat circulation around the zinc kettle.
- **The burner flames are short** and the kettle is equipped with insulated heat shields by the burners. The danger of hot spots is eliminated.
- **The burners** are equipped with UV-scanners and microprocessor flame programs and supervision.
- **The temperature** of each firing lane is monitored by a separate temperature controller.
- **Gas and air** flows can be metered and pressure is monitored by pressure switches.
- **The furnace** is lined with high temperature ceramic fibre wall, thus the heat losses from the outer furnace walls are very low.
- **Furnace and kettle as separate units**
The furnace is constructed as a separate unit. The steel kettle can therefore be lifted out without removing the heating system or furnace walls.

- **PLC / MODEM**
All our furnaces are controlled from a PLC unit equipped with a modem for GSM, ISDN or internet communication with our office. This enables quick troubleshooting in case of operational failure

- **Temperature control.**
The temperature control is through indirect measurement of the zinc temperature, thus there are no thermocouples immersed in the zinc bath.
- **Two zone temperature control.**
The heating system can easily be divided in two zones, upper and lower zone. This can reduce possible top dross problems.
- **Supervision of the kettle temperature.**
To protect the kettle against overheating, the temperature control system is equipped with temperature supervision of the kettle wall.
- **Warning system for zinc leakage.**
The control system also consists of a warning system if zinc should leak from the kettle.

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