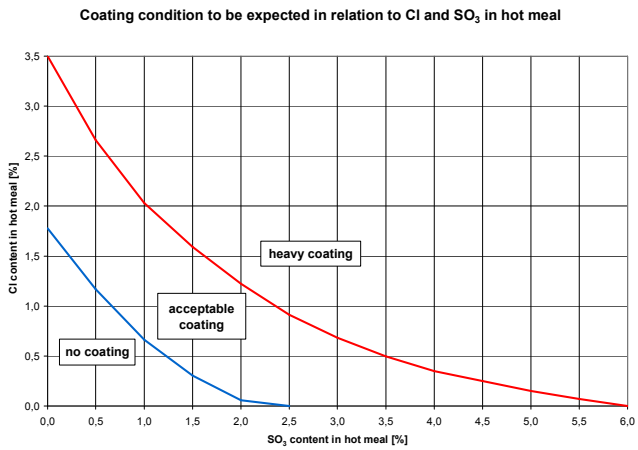
REDUCHLOR® BYPASS
THE MOST ECONOMIC BYPASS TECHNOLOGY

PRODUCT: Bypass REDUCHLOR®

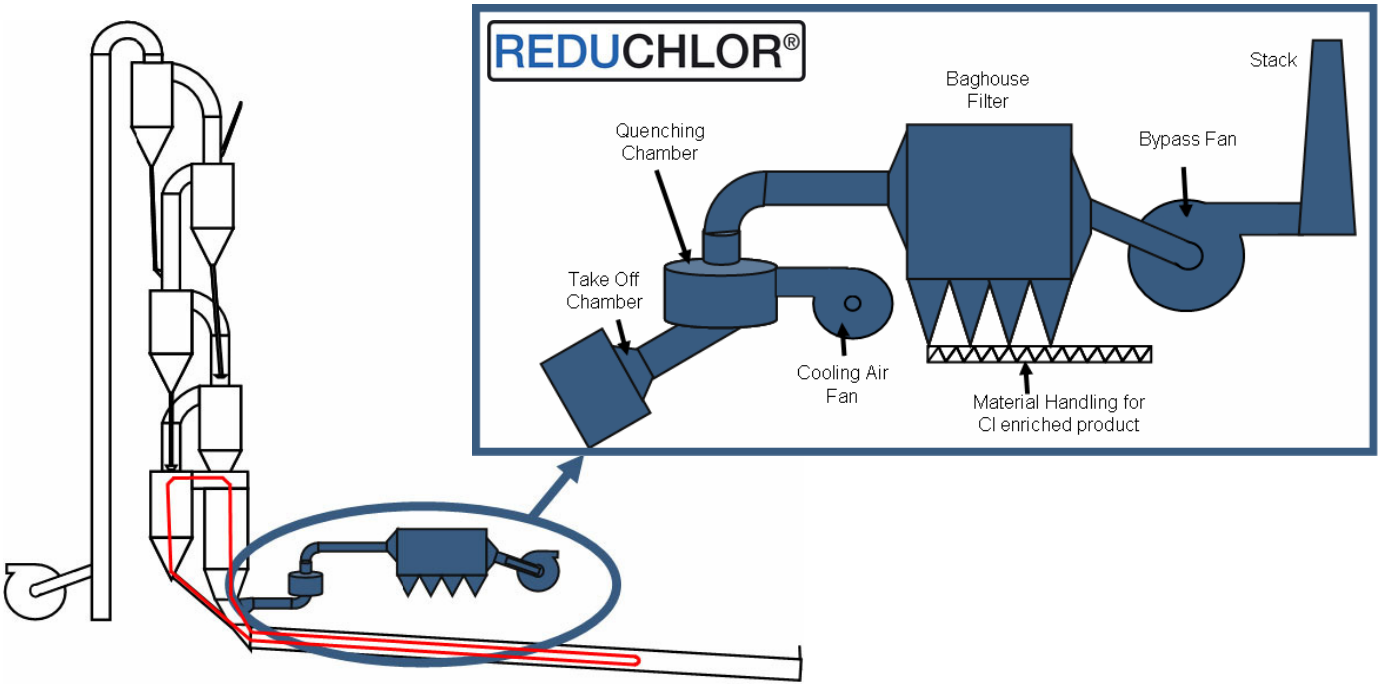
ISSUE DATE: March 2006



ADVANTAGES

- Reduced quantity of bypass dust.
- Production increase.
- High degree of flexibility.
- Controlled chlorine, sulphur and alkali concentration in bypass dust.
- Avoidance of high salt-values in hot meal.
- Increased kiln operation reliability.
- Low maintenance system.

BYPASS PRINCIPLE



ATEC

World Leader in Cement Pyroprocess Technology

THE MOST COST EFFICIENT AND RELIABLE BYPASS SYSTEM AVAILABLE

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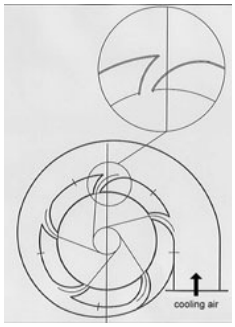
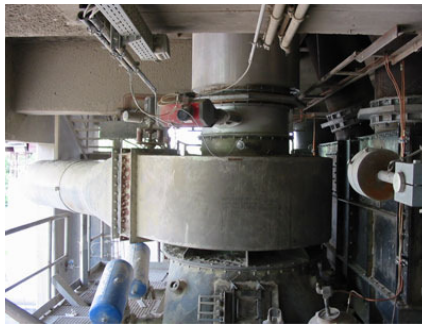
QUENCHING CHAMBER

- High jet mixing of gas
- Cooling in one step to 200°C
- Low maintenance design
- No lining required

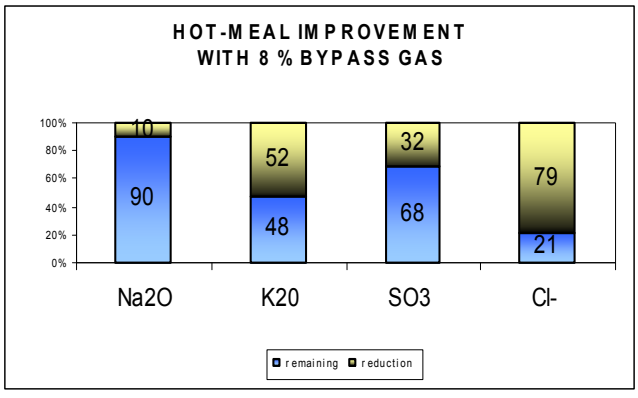




GAS TAKE OFF DUCT

- Big take off area
- Low take off velocity
- Particles < 10 µm
- Reduced bypass dust quantity

EXAMPLE OF INSTALLATION



Results from Taranto plant

CEMENTIR S.P.A. - ITALY

SCOPE OF WORK:
Detailed engineering of bypass plant and
Supply of quenching chamber

TAKE OFF VOLUME:
Max. 8,300 Nm³/h (T=1,100°C)

BYPASS RATIO:
7-13 % (because of extreme high Cl content)

TYPE OF DEDUSTING:
Electrostatic precipitator

RESULTS:
- up to 90 % reduction of chlorine content in hot meal

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