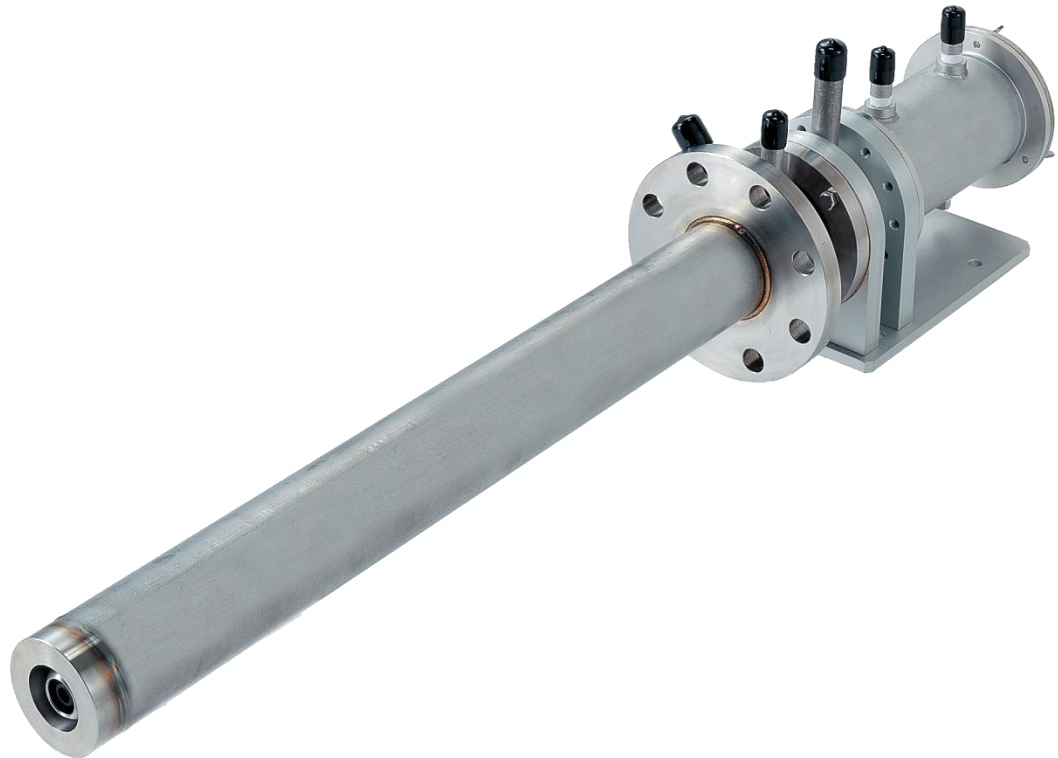


CPA-R Furnace Monitoring Application

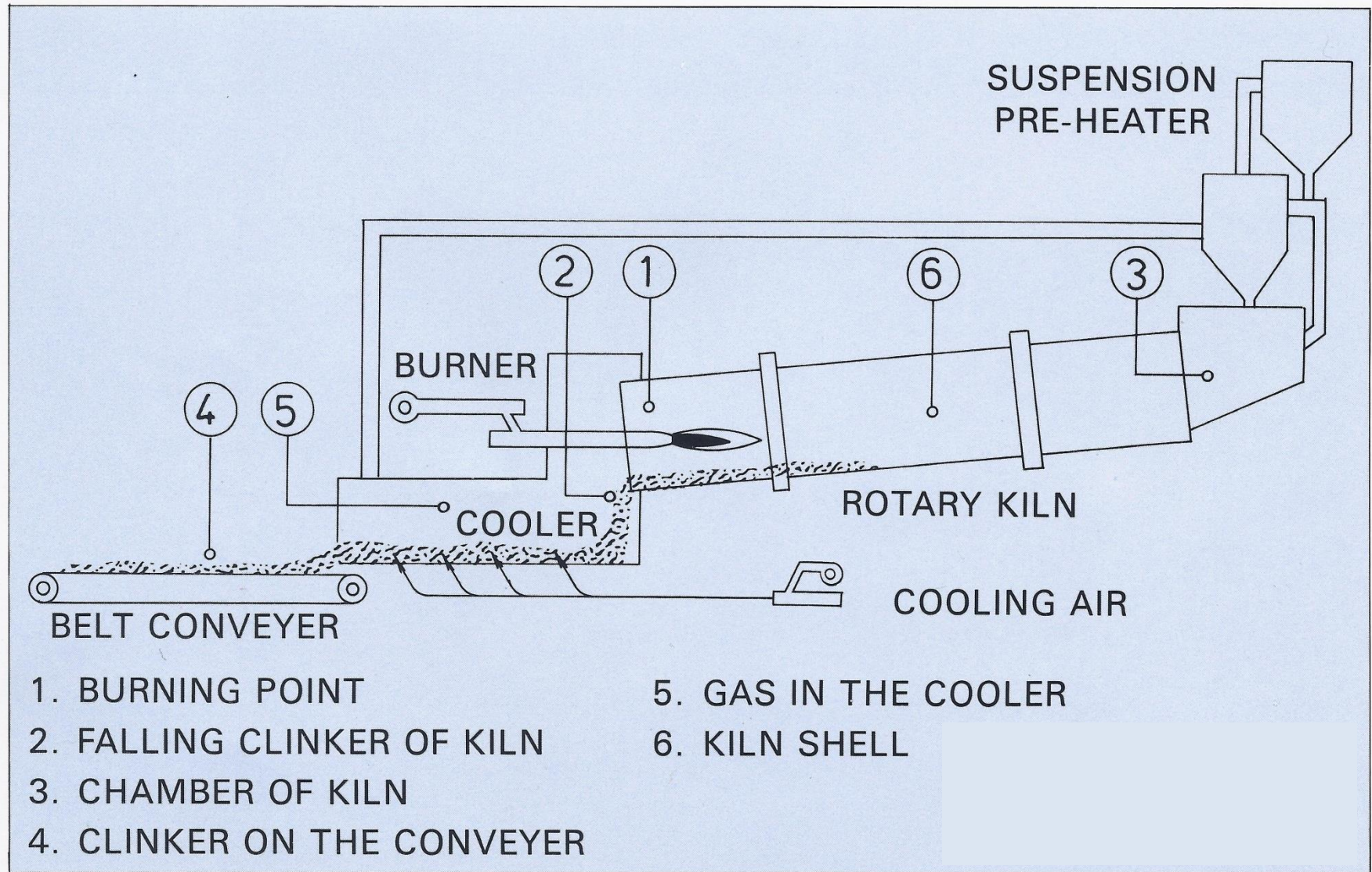
Application for cement production



Cement Plant

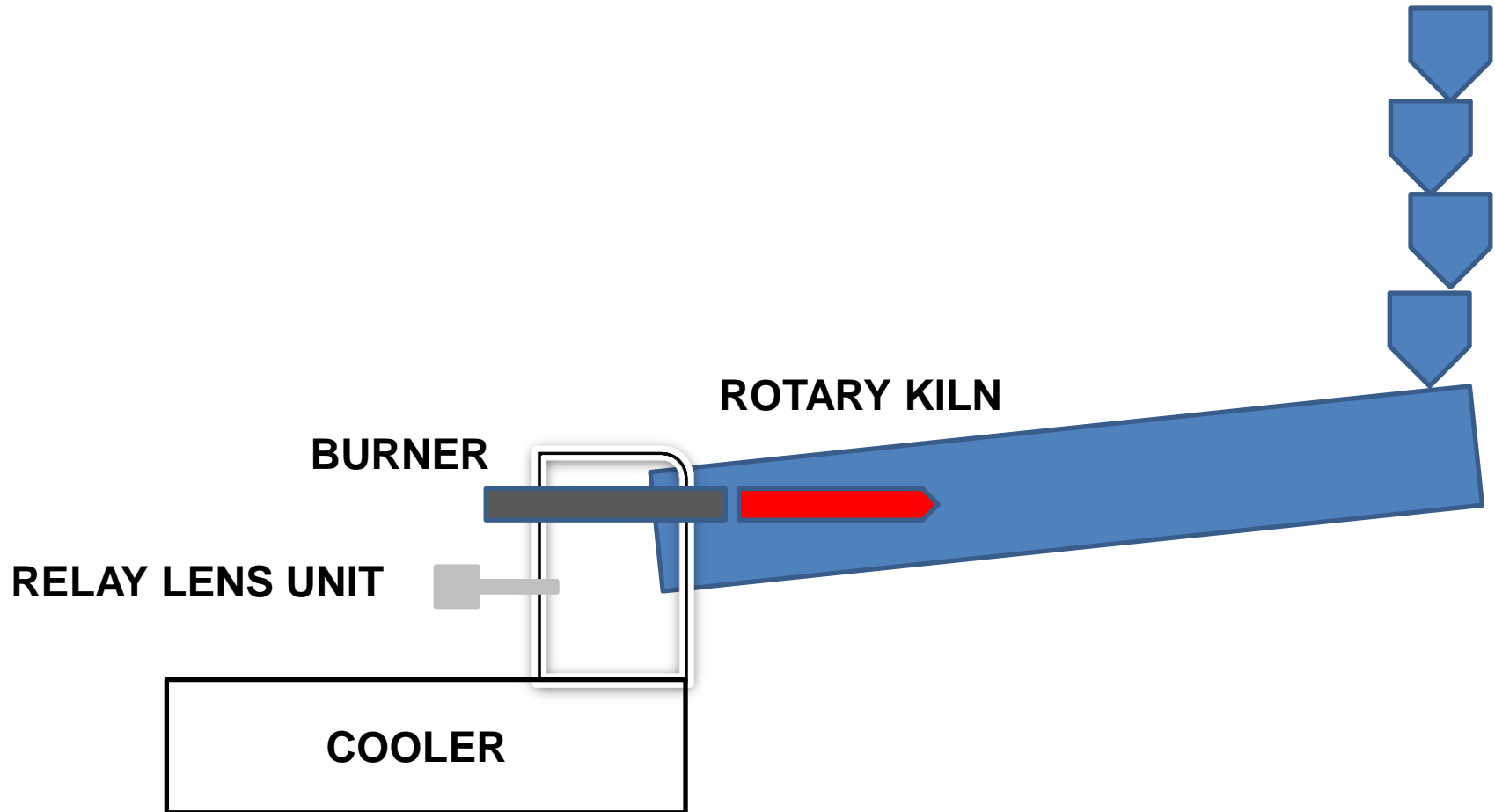


TEMPERATURE MEASURING POINTS OF THE KILN



MAIN CHECKING POINT1

BURNING POINT



BURNING POINT

Burning Zone of Rotary Kiln

Clinker temp. measurement (1,330 °C)

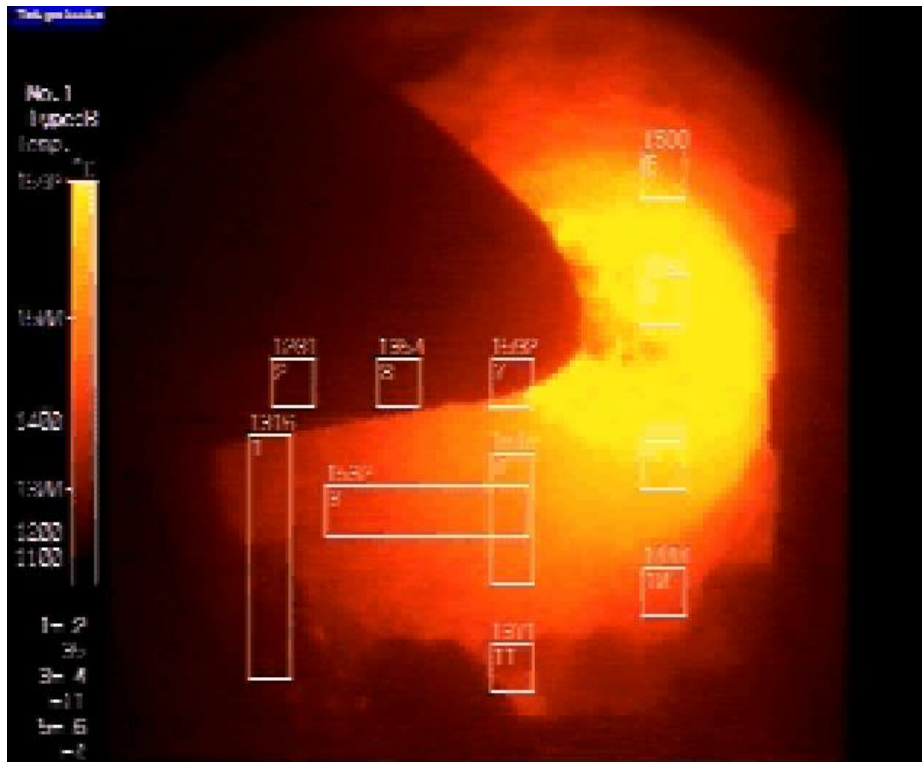
Fallen Clinker fallen position and size is unconfirmed so normal spot type IR thermometer cannot measure. But you can measure it by the two dimensional thermal image.

Check particular size

By monitoring the wrap up point, you can check the particular size.

Check the burning condition (burning zone 1,500 °C)

By monitoring the burner flame, you can check the burning condition.



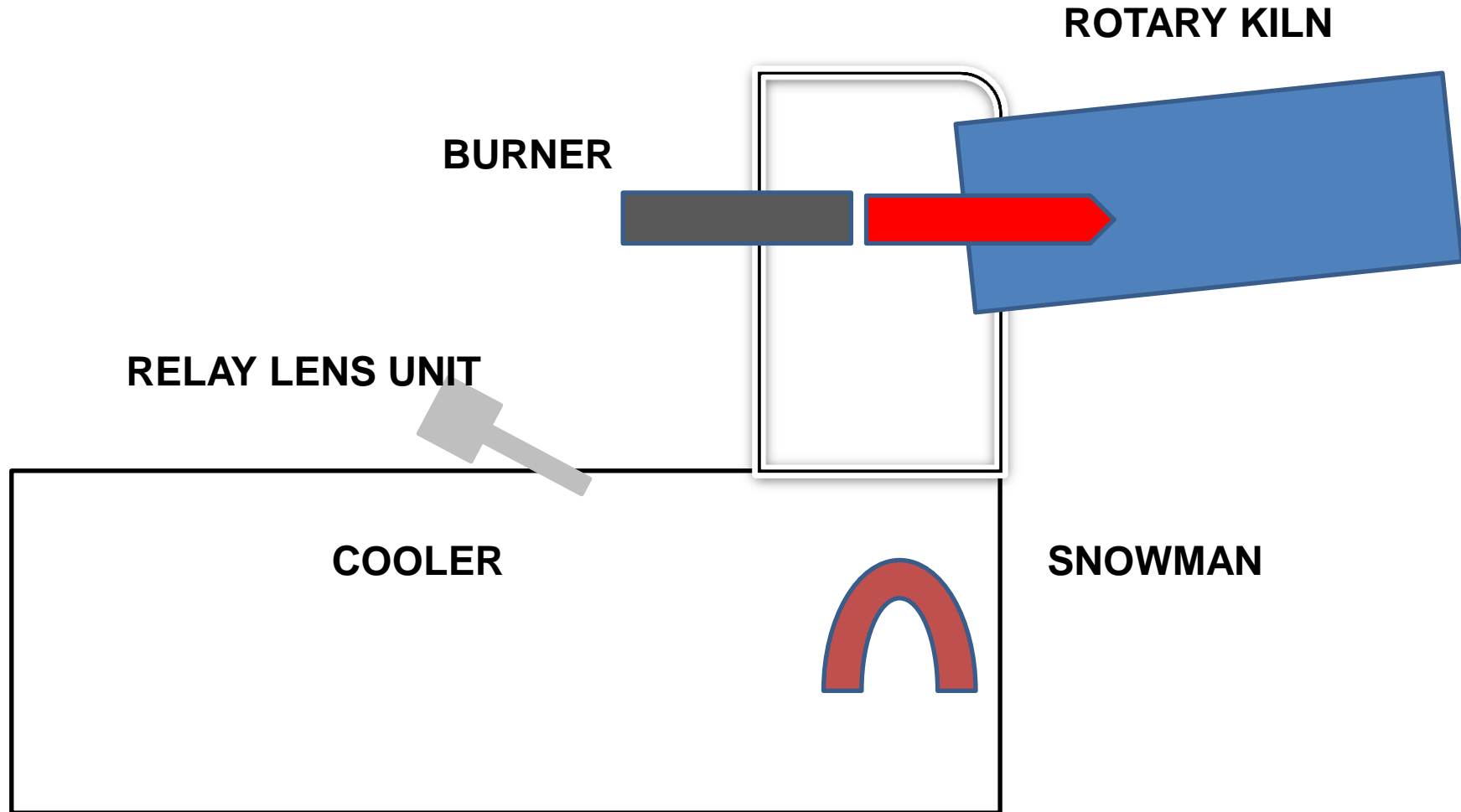
BURNING POINT

Installment Example



MAIN CHECKING POINT2

COOLER



COOLER

Cement Cooler

Monitor SNOWMAN (1,300 °C)

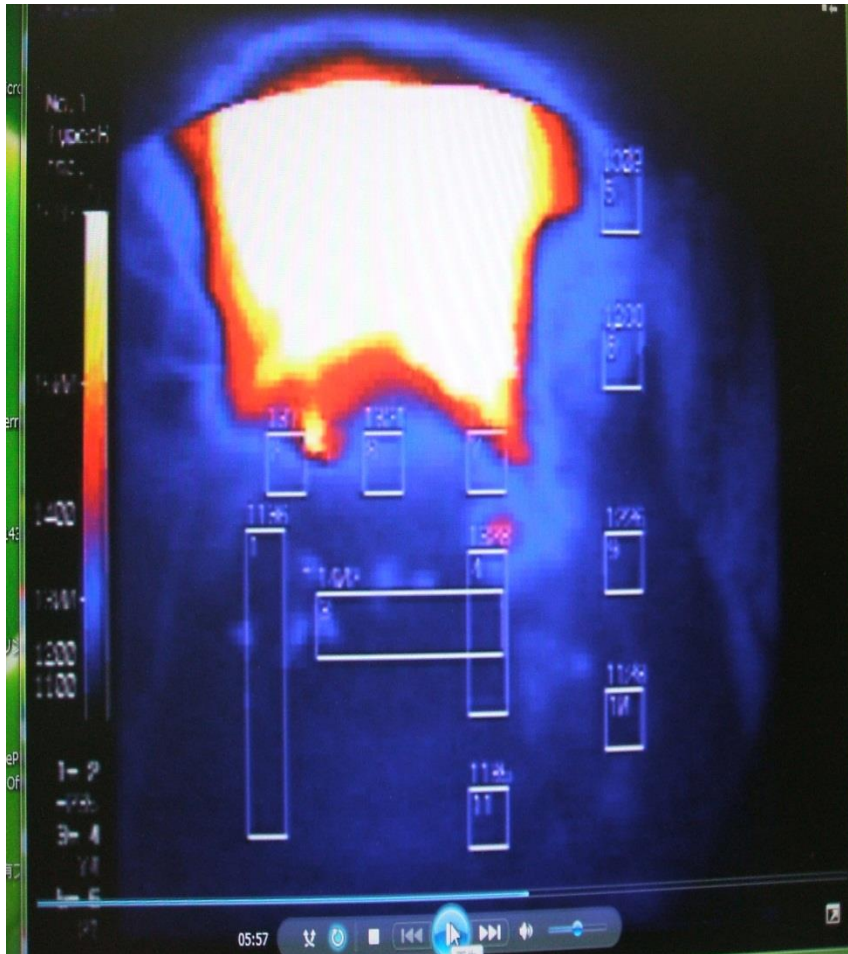
Clinker fallen from the kiln to the cooler
sometimes piles up inside the cooler and
make a dam. So it will be useful to
monitor this pile up condition.

Detect RED RIVER (1,100-1,200 °C)

If the un-cooled clinker goes to downstream, it will damage the floor of cooler which heat resistance temp. is low. By checking this hot clinker flow, you can control the air pressure and flow rate.

Monitor BUBBLING

By the bubbling condition you can check the clinker condition.



COOLER

Installment Example

