



Figure 1: Comprex®-Cleaning at the cooling plant

Cleaning of a cooling plant in a steel work

Problem/Objectives

- Discharge fouling material from the heat exchanger
- Reestablish volumetric flow and heat transfer of the cells
- short times of shut down per cell

Technical Data

- Cooling plant consists of 20 cells
- Dimension per cell approx. 7,5 m x 10 m x 0,5 m
- 4 heat exchangers per cell
- Max. allowed pressure approx. 10 bar

Cleaning of the cooling plant with the Comprex®-Process

- Comprex® - cleaning of single heat exchangers in temporally disconnected cells (Figure 1)
- Access to the plant via to connections with adapters
- external supply of water
- Supply of compressed air with Comprex® - Unit
- Control of the cleaning process via loudness at the point of discharge
- Effort for cleaning per cell approx. 10 hours

Result

- Fine and rough fouling material was mobilised and discharged (Figures 2 and 3)
- Increased volumetric flow
- increased performance of heat transfer
- higher level of operational safety



Figure 2: Discharged fouling material in discharge unit



Figure 3: Discharged fouling material in detail