

Application Report No. A 03-1e **Cleaning of Condensers in Power Plants**

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Status: 10/2005

KAMAT Su Jeti



Condensers in power plants need to be cleaned whenever the exchange of heat is no longer fully efficient.

Previous methods used (drilling, brushes and chemicals) have meanwhile been replaced by high pressure water jetting.

Using brushes or drilling caused damage or roughening of the surface of the tubes. Once the surface was roughened the build-up of deposits was encouraged, as they could adhere even better to the roughened surface.

The use of chemicals is no longer economically justifiable, due to the costs and problems of disposal.

The picture above shows the use of high pressure water on this application.

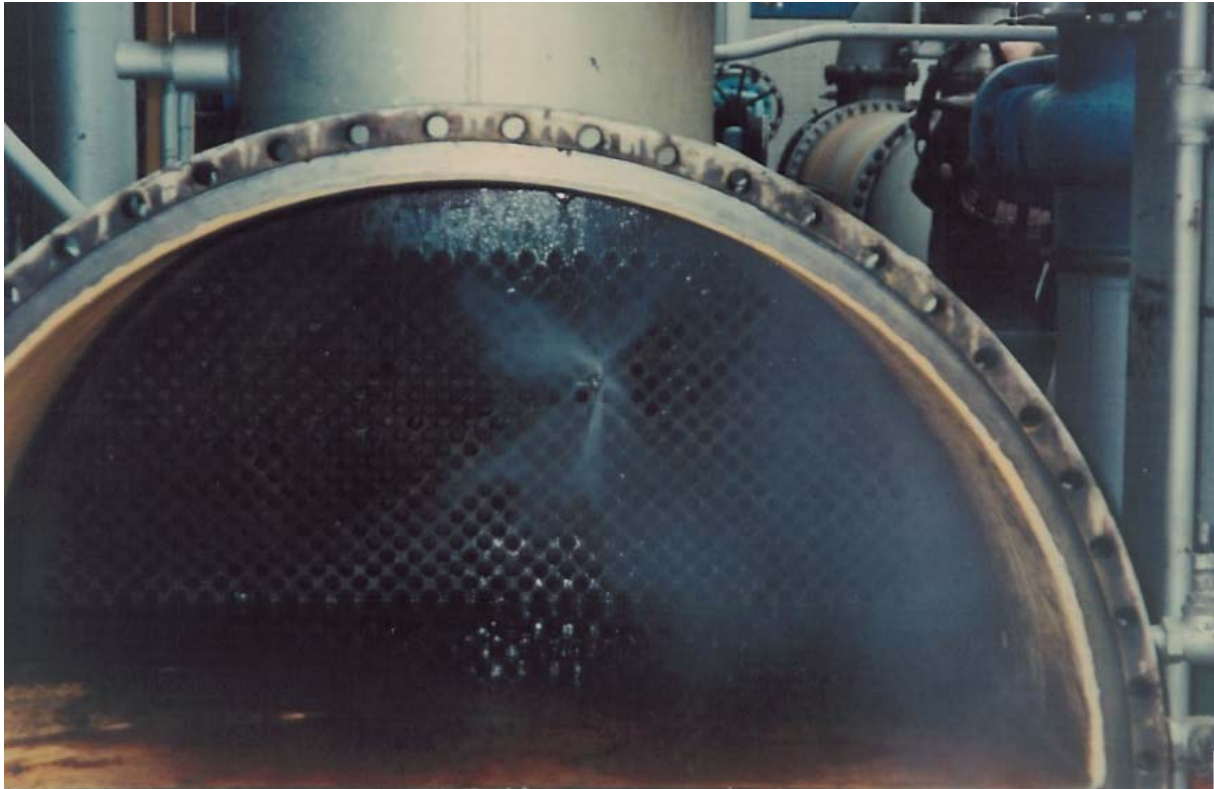
Accessories being used - KAMAT Foot valve
- Rigid hose DN 6
- Pipe cleaning nozzle ¼"

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The picture shows the high pressure nozzle as it leaves the condenser tube.

These are the parameter normally required for the job:

Pump type	:	K 9000, K 11000 oder K 13000
Working pressure	:	500 – 1000 bar
Capacity per nozzle	:	40 – 60 l/min.