

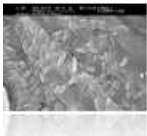
Biological pipe cleaning

The way it works

Lipolyt® 2000 for biological pipe cleaning consists of two components, which are introduced into the pipe system one after the other.

Component 1 of this biological pipe cleaning medium is a mixture of fatty acid esters, sebacic salts and free fatty acids. With its oily, viscous consistence, this component moistens the complete inside of the pipe and works itself into existing incrustations. There it serves as an adhesion base and a nutritive source for the second component.

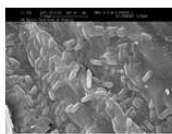
Component 2 consists of micro organisms and enzymes, the active part of the biological pipe cleaning. The enzymes decompose fats, carbohydrates and proteins of organic materials into small fragments, which serve as an energy source for the micro organisms. The decomposition is aerobic, the by-products are nothing but carbon dioxide and water. The micro organisms reproduce very fast and displace other already existing, in part even detrimental organisms.



« Microscope image of Bacillus spores



« Colonies of Bacillus on an Agar plate



Adler Bio- und Wassertechnik

Biological pipe cleaning can be used both as a preventive measure in new pipelines and for pipe cleansing in older pipelines.