

PipeActivClean An effective way to clean pipes







The pipeline; the packaging and security for drinking water

We want to prevent/avoide the following:

- pollution, which brings contamination with chemical substances
- substances, which can feed micro-organisms and cause them to grow.





Corrosion and hygiene in pipe systems

leakage, reduction of the flow, impairment of drinking water through turbidity, cloudiness, odor, microbiological or chemical causes







Flushing of pipes only with water

It's not possible to remove pollution or a contamination only with disinfection procedure after intensive flushing

- Flushing speed: 2-3 m/s
- Minimum flushing time: 30 min
- Flushing volume: 3 to 5 times the pipe contents





Flushing of pipes with water

For a flushing with 2 m/s, we need the following amount of water:

DN 80: ca. 25 m3/h DN 100: ca. 45 m3/h DN 160: ca. 130 m3/h DN 200: ca. 220 m3/h





Flushing of pipes with a mixture of water and air





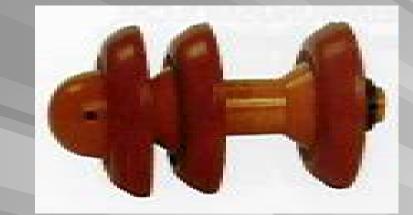
Flushing of pipes with a mixture of water and air

- Flushing speed: > 0,5 m/s
- Flushing from the buttom upwards
- Better effect by periodically opening and closing the air and water supply
- Finally intensitive flushing with water.
- Only with oil-free compressed air.





Cleaning of pipes with "Molchen"











Cleaning of pipes with "Molchen"

- Removing of loosely sediments and deposits (iron precipitations)
- Mechanical cleaning of new pipes and removal of adhering deposits
- Removal of massive surfaces





Cleaning of pipes with high pressure







Cleaning of pipes with high pressure





New patented pipe cleaning method:

Developed and researched with DVGW Water technology center Karlsruhe, Dresden office and in cooperation with WVU Stadtwerke Chemnitz AG and Halle Water and Sewage Ltd.

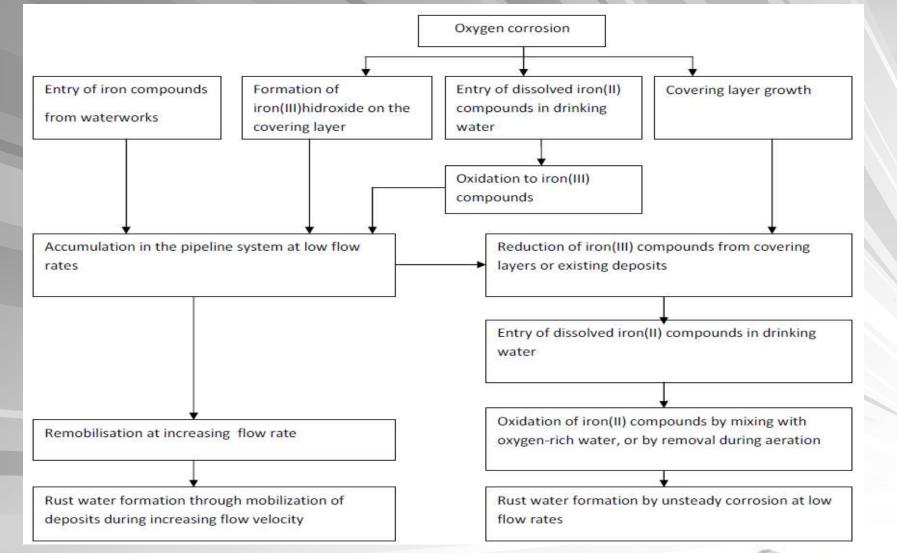
Project number 02WT0077: "Development of method for effective flushing underground sectors in existing water supply network to avoid rust water formation"





PipeAktivClean

Demonstration of rust water formation





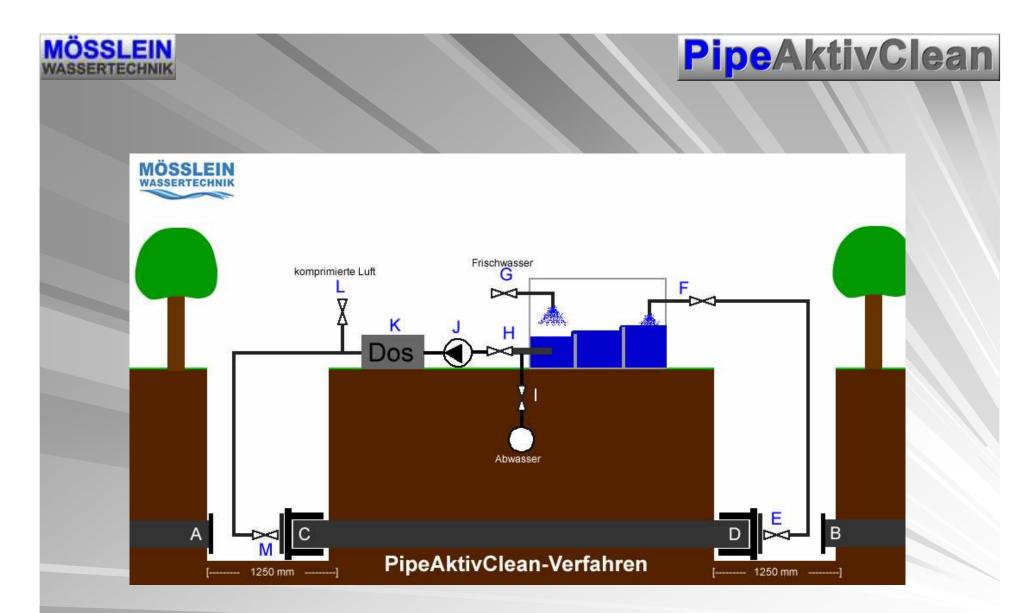


PipeAktivClean

Pipe cleaning during circulation process



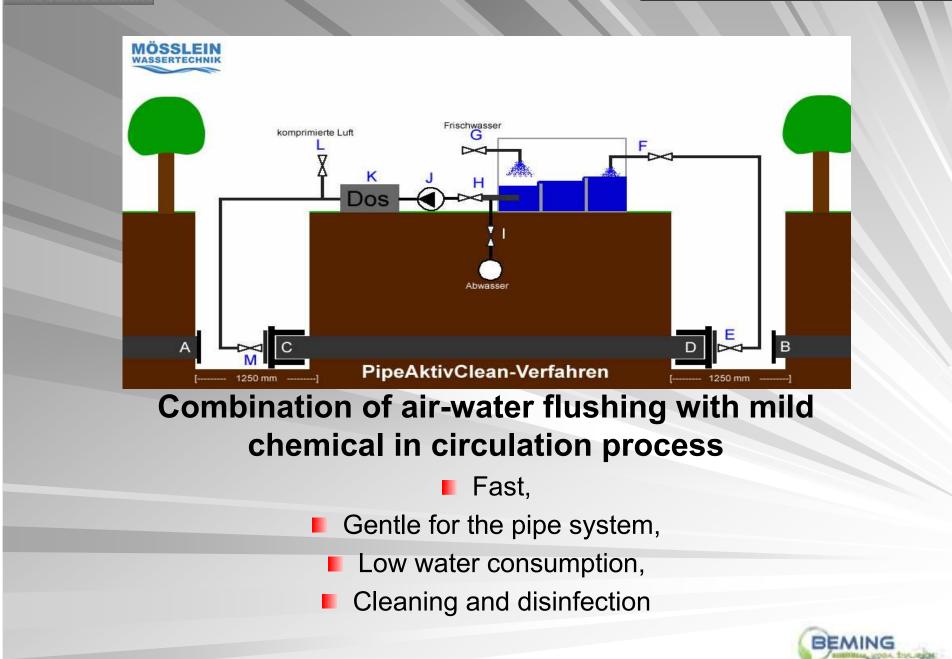




New, patented pipe cleaning method using circulation.



PipeAktivClean



MÖSSLEIN

WASSERTECH



Čiščenje cevovoda Sv. Peter – faza 2. (investitor Rižanski vodovod)

Močno zakalcinirane cevi dimenzije TPE90

- Dolžina odseka 930 m.
- Višinska razlika 40 m.









Čiščenje cevovoda Sv. Peter – faza 2. (investitor Rižanski vodovod)

Rezultat čiščenja povečanje pretoka za več kot 100%.
Odklop odseka iz omrežja 12 ur.
S čiščenjem izvedena tudi dezinfekcija cevovoda.

