



Figure 1: Comprex® equipment on site

Cleaning of a municipal drinking water network in South Tyrol

Task

- cleaning the drinking water network of a community in South Tyrol (Italy) using the Comprex® process
- removing deposits
- eliminating problems with turbidity during supply
- ensure performance of the pipes

Specifications

- nominal diameter DN 65 to DN 150
- total length 6,1 km
- materials steel and cast iron
- supply pressure up to 5,5 bar

Cleaning using the Comprex® procedure

- mechanical cleaning procedure using water and treated compressed air supplied by Comprex® unit (Figure 1)
- cleaning in sections via different injection and discharge locations of the pipe network
- access using adapter connections
- inspection glass for visualisation of cleaning progress (Figure 3 and Figure 4)
- 2 technicians, 7 days on site

Result of Comprex® cleaning

- deposits mobilised and discharged (Figure 3 to Figure 5)
- water supply without turbidity
- improved hydraulic properties due to decreased pressure drop
- performance and security of supply restored



Figure 2: discharge location



Figure 3: discharge using hydrant with inspection glasses



Figure 4: turbidity in inspection glass during cleaning



Figure 5: cleaning water with turbidity at discharge location