



TONISCO® SERVICE

SOLUTIONS FOR PLUGGING & BY-PASS UNDER PRESSURE

The safest & fastest method of making repairing and alteration works without stopping the flow in the system by using flow stopping and contemporary by-pass



The solution can be used for:

- Changing faulty valves and other pipeline components
- Repairing of damaged parts of the network
- Rebuilding old lines

All above without interrupting the flow in the network

Service description

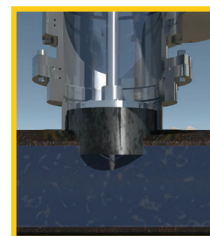
1. THE CUSTOMER OR THE SERVICE PARTNER WILL ORGANIZE THE WORK SITE AND EXCAVATION WORKS

The under pressure by-pass process starts with the excavation works. Customers will use its own partners when conducting the excavation. TONISCO® Service will give instructions concerning the excavation and plugging locations if needed.



2. WELDING OF THE PLUGGING FITTINGS TO THE MAIN

STEP 1 & 2. After the excavation works TONISCO® Service or the service partner will weld the plugging fittings to the pipe line and perform the necessary weld inspections.



3. HOT TAPPING THROUGH THE SPECIAL GATE VALVE

STEP 3. After the pressure test and the welding inspections TONISCO® Service will carry out all the necessary hot tapplings. The size of the stopped line determines the size of the hole saw and the reinforcement plates needed.

4. BUILDING OF THE BY-PASS CONNECTION AND MAKING THE UNDER PRESSURE PLUGGINGS

STEP 4 & 5. After the hot tapplings the temporary by-pass line is build. The by-pass line allows TONISCO® Service to maintain the flow in the pipe line during the alteration works. When the by-pass line is ready and tested TONISCO® Service will carry out the under pressure pluggings.



5. CARRYING OUT THE ALTERATION WORKS

STEP 6. When the plugs are secured and tested TONISCO® Service or the service partner will carry out the wanted alteration works. The under pressure Line Stopping solution can be used for;

- Changing faulty valves and other pipeline components
- Repairing of damaged parts of the network
- Rebuilding old lines
- and for countless other maintenance works

All repairing works without draining of the lines or interruptions to the network

STEP 7. After all the alteration works have been finished and the new line has been tested the process is ready. All the test documents and project plan will be passed on to the client when TONISCO® Service releases the project.

All plugging and alterations works has been done without any interruptions to the network - with guaranteed work!

