SAINT-GOBAIN

CONTROL +

SECURE INSTALLATION

THE IMMEDIATE SELF-CHECK SOLUTION FOR PIPE JOINTS

NATURAL Standard Range
DN200 to DN600

SUSTAINABLE WATER SOLUTIONS

PAM
SAINT-GOBAIN

THE ADVANTAGES OF CONTROL +

The CONTROL + concept is:

- **Simple:** the seal valve allows for pressure retention checks.
- **Fast:** checking the correct positioning of the seal is done in a few seconds, immediately after fitting the pipe.
- **Ergonomic:** the notches in the pipe allow the joint valve to be positioned always accessible at the highest point of the pipe, regardless of its position when unloading to the ground.
- **Reassuring:** the operator has immediate control over the quality of the installation, without worrying about the water test.
- **Conventional:** The installation and performance of the CONTROL + seal and pipe are identical to those of conventional Standard seals and pipes.
- **Compatible:** Standard CONTROL + joints are 100% compatible with Standard joints.

Your advantages with the CONTROL + concept:

- **Productivity:** immediate verification of correct installation.
- **Competitiveness:** optimized total cost, controlled budget.
- **Differentiation:** the only solution on the market that allows for waterproofing control upon installation.
- **Peace of mind** for the operator and the installation company.
- **Use of an innovative concept.**

1.4 million **This is the number of cast iron pipe joints made per year in Europe.**

A single faulty junction detected during the water test is enough to generate significant costs:

- Finding the location of the leaky joint
- Release and repair of the joint
- Carrying out a new water test for final approval
- Delay in the execution of the work

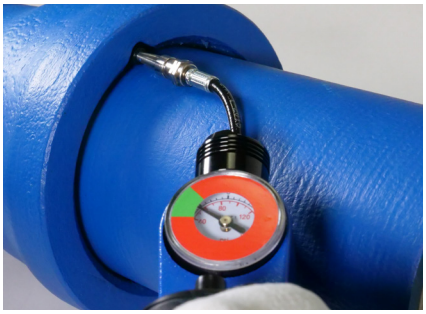
CONTROL + is a quality self-control solution to control this risk and the inherent costs.

The basics of self-monitoring:

1. Detecting failures as early as possible
2. Empowering and involving the operator
3. Reducing/simplifying final inspections

The CONTROL + self-control is structured in the same way:

1. Detect potential joint failures immediately after jointing, making it easier to correct immediately, and more cost-effectively.
2. Involve and reward the operator through a quick and easy verification of proper execution.
3. Address the final acceptance of the water test with the client under the best possible conditions for success.

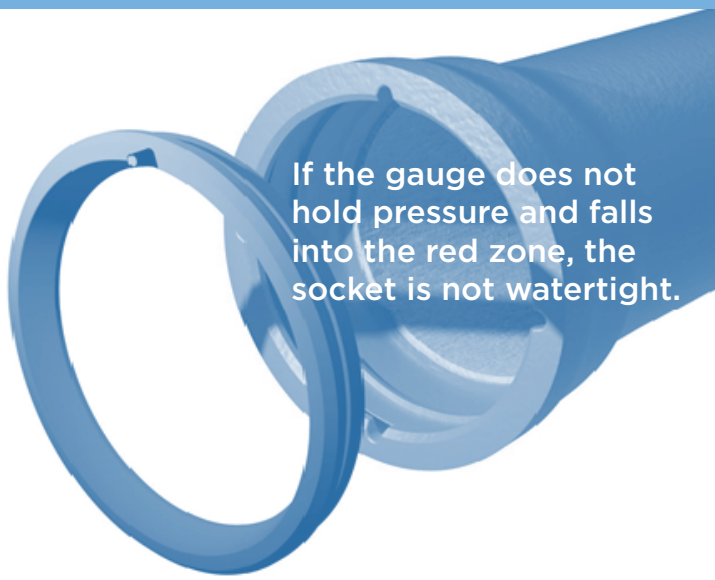


CONTROL +

ONE CONCEPT, 3 ELEMENTS

This solution patented by Saint-Gobain PAM Canalisation includes 3 elements:

1 The STAR of the concept: concept : The STANDARD CONTROL + valve seal



The STANDARD CONTROL + seal is an automatic seal: the seal is achieved by compressing the elastomer seal ring, which is obtained during assembly by simply inserting the plain end of the pipe into the socket. This seal has a valve for injecting compressed air.

2 NATURAL BioZinalium® pipe STANDARD CONTROL + joint with notches

It is an adaptation of the NATURAL Standard hose which has notches, in order to be able to insert the CONTROL + valve seal.

It remains compatible with the STANDARD seal ring and benefits from the same coating properties and durability over time.

3 The CONTROL + test device

The CONTROL+ test device, housed in a reinforced construction case, includes:

The test device with a compressed air cartridge

A charger with a second cartridge (the device can be recharged via a 220V power supply or a cigarette lighter socket) • A user guide

SIMPLE OPERATION

1. Inserting the STANDARD CONTROL + seal into Standard notched pipes, in the same way as a traditional STANDARD seal.

2. After the pipe is fitted, the CONTROL + test device injects compressed air into the joint valve and the operator checks the pressure resistance.

If the gauge is in the **green zone** for at least 10 seconds, the connection is correct.

3. If the gauge does not hold pressure and falls into the **red zone**, the socket is not watertight.

It is necessary to disassemble the joint, remove the gasket, and check that the housing and gasket are clean. Repeat the assembly operation.