

A large, stylized blue '100' graphic. The '1' is a solid blue vertical bar. The '0's are composed of two concentric blue rings. The background of the entire page is a dark blue, swirling, tunnel-like pattern with a bright blue ring at the bottom and a golden-brown textured ring above it.

YEARS

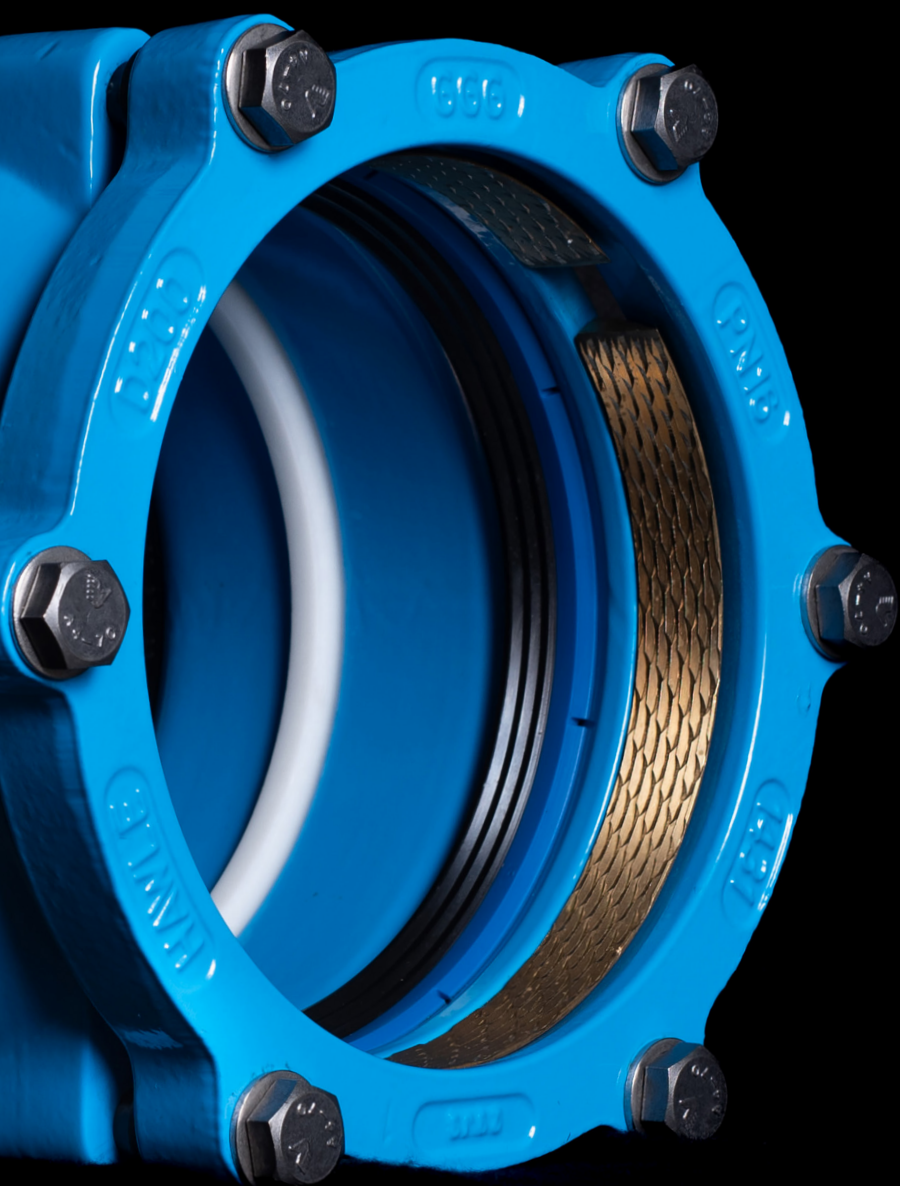
**EXPECTED LIFETIME  
SYSTEM 2000**

made for generations.



We don't know  
what will be 100 years from now,

**but System 2000  
will still be there**



# 100 Years

## System 2000

Our customers have appreciated the high-grade and durable products of Hawle for decades. But what does “durable” mean? Five years? Ten years? Or even 50 years? We went even further and wanted to have “100 Years Lifetime” proved for our System 2000 pipe connection. Together with an independent institute, we developed new test methods with various influencing factors to put System 2000 through their paces.

The result?

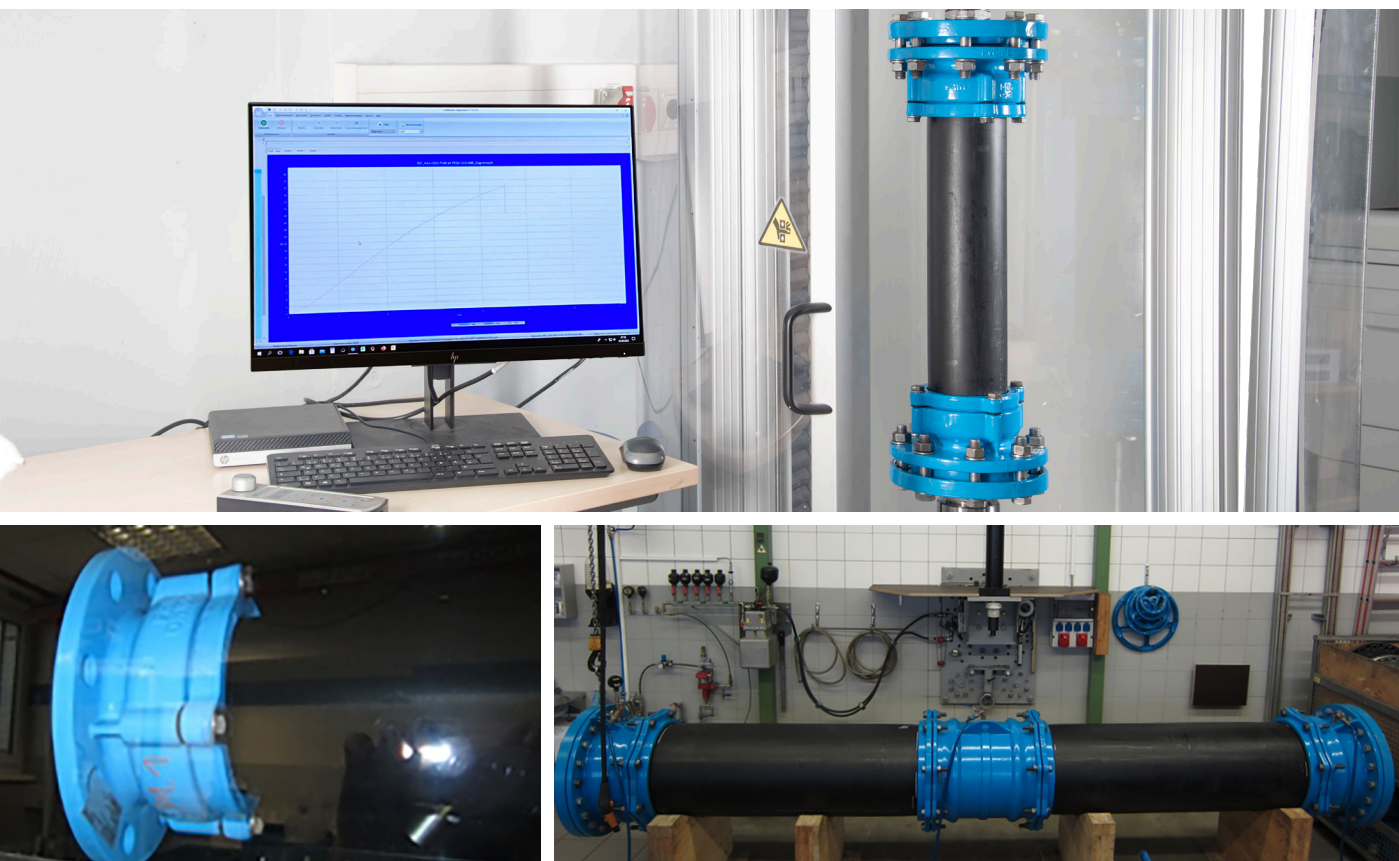
Our pipe connection has passed all tests superbly, thus earning the title “100 Years Expected Lifetime”. Now we have it in cold print: our brand promise “Made for Generations” is based on facts and has been confirmed by external experts.

## Testing & Laboratory

How long components are able to actually fulfil their functions depends on a variety of different parameters. Apart from the product quality, a number of external influencing factors will play a role. As the tests were carried out in the laboratory, we reconstructed different environmental conditions as well and as realistically as possible.

Based on the applicable standards and modified product testing, we developed additional tests to simulate extreme stress. In these tests, System 2000 had to withstand additional influencing factors:

- Leakage testing of connections
- Dynamic internal pressure testing
- Heat resistance in air and water
- Durability in corrosive media





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**100 Years Life time of  
“Hawle System 2000 – Ductile iron fittings for PVC and PE piping systems”**

To whom it may concern!

We, OFI Technologie and Innovation GmbH, confirm with reference to the tests, performed in our testing laboratories, for the **Hawle System 2000 – Ductile iron fittings for PVC and PE piping systems**

**100 Years Life Time**

can be expected.

Tests based on current standards were identified as essential for the durability of the product and the long-term functionality of the system. Beside special life time tests, standard tests following corresponding product standards were modified according to their parameters to incorporate the aspect of the life time of 100 years.

Furthermore, with reference to the results that the individual components can be disassembled after their durability, a high degree of recyclability can be assumed.

DI Udo Pappler (CEO)



DI Martin Sturmlechner (Head of Valves)



Detailed findings are documented in the corresponding expert opinion (2002149\_12506\_1).

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Confirmation of the independent testing institute  
acknowledging the expected lifetime of 100 years

# 30 Years on the market

System 2000 has been on the market for more than 30 years. Throughout this time, it has stood for an extraordinary service life and unfailing functionality – day after day and around the world.

# 3 Mio. applications

Since its market launch, the system has been used by customers worldwide to build more than 3 million connections, thus ensuring a reliable and sustainable water supply.

# € Cost saving

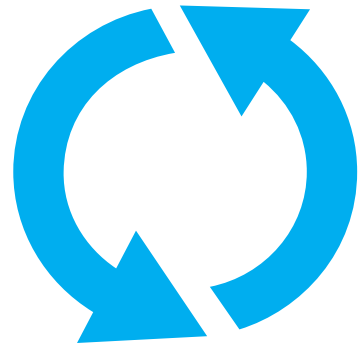
Hawle stands for quality and durability. Our products are designed for a long service life. Therefore, our customers can rely on products that provide for decades of drinking water supply without expensive repair and failure. 100 years of expected lifetime means no unexpected costs in the future.



# Reusable

System 2000 is designed to be reused.

For example, when a new pipeline is installed, the individual pipe sections are examined. In the process, the sections are closed by means of end caps and pressurized. If the pipe is able to withstand the pressure, the end caps will be removed to proceed with the next pipe section. With System 2000, the end caps can be reused many times.



# Recyclable

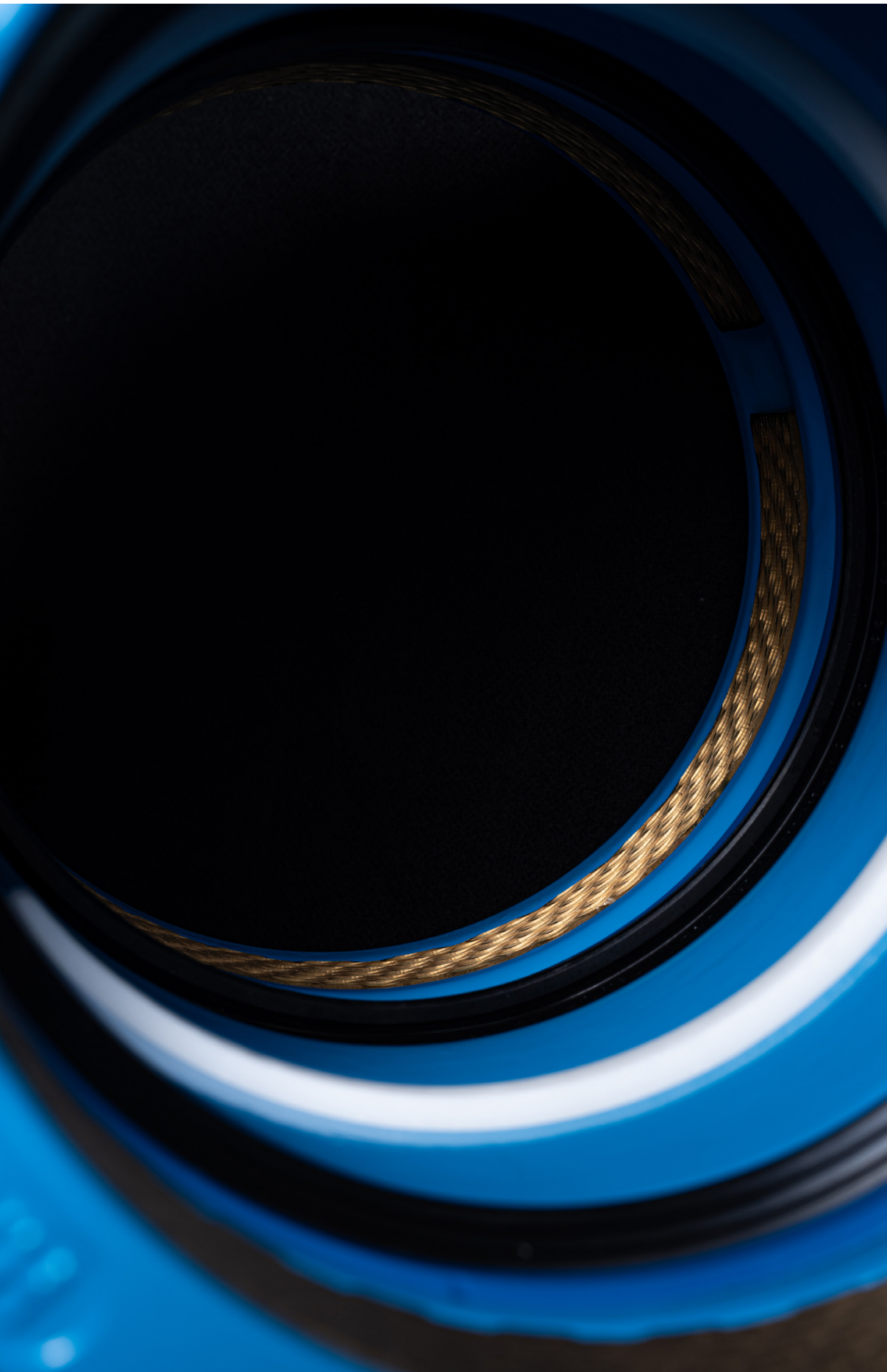
The main components of System 2000 are recyclable.

When products must be discarded on account of external damage, for example, the metal components can be recycled. Thus, valuable raw materials are reused in new products.



Visit our [website](#) to learn more about System 2000.





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