



Choose comfort

INSTAFLEX - Offering all the advantages of a state-of-the-art drinking water installation

Feeling good  
and rediscovering  
a sense of security



## What is INSTAFLEX?

INSTAFLEX is a modern system of plastic pipes for applications in the building technology. The main areas of application are hot and cold water, cooling systems and compressed air.

The INSTAFLEX system has been designed to meet the highest demands in a variety of different applications - from distribution areas to individual extraction points.

Whether building a new house or redeveloping an old one, this complete plastic system offers a range of key advantages:

- cost-effective prefabricated solution
- quick and safe handling and installation
- broad product range
- corrosion-free
- incrustation-free
- noise-insulating
- flexible.

With the INSTAFLEX system, GF Piping Systems offer a complete solution package for buildings ranging in size from single-family detached houses through apartment blocks right up to public or commercial buildings.





## INSTAFLEX - the material

The INSTAFLEX system is made from polybutene - the ideal material for a drinking water installation. It has been specially developed for applications in the building technology.

Of all the available complete plastic systems, the advantage of polybutene is that it is subject to the lowest rate of thermal expansion. As the expansion forces are so much lower (30 times lower than steel and 10 times lower than composite pipes), the material can absorb any expansion in itself.

This not only means there is no need for expansion pieces or expansion joints, but it also allows commercially available fastenings and fixtures to be used. The result: clean installations which are pleasing to the eye - even if space is tight.

This means:

- space-saving installation;
- no maintenance required;
- easy installation.

The high chemical resistance of the polybutene material guarantees the longest possible service life of components.

## One manufacturer - one partner: GF Piping Systems

### Your one-stop system solution

Pipes, fittings, connection technology or measuring and control technology - GF Piping Systems offer one-stop shopping worldwide.

### Top quality

Why not profit from the quality of our products? With more than 40 years experience of production and development, stringent quality checks, highly qualified employees and a continuous improvement process, our company offers the ideal basis for superb quality standards.

### Local procurement

A worldwide network of our own sales organisations and trading partners offers our customers direct access to our high-quality products and offers a competent and obliging service at local level.

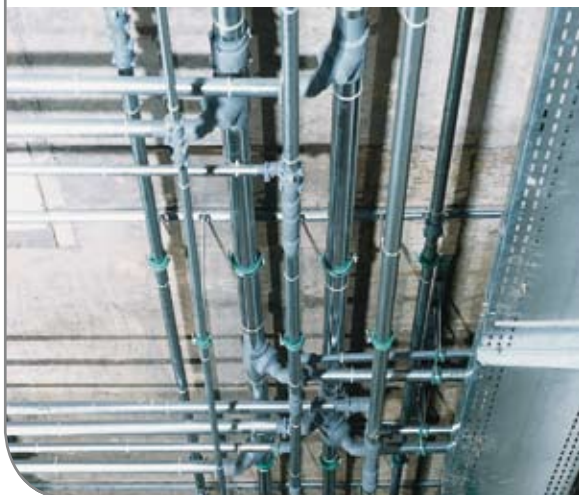




## INSTAFLEX - the piping system

The INSTAFLEX system stands out with a wide range of available sizes (d16 mm to d225 mm). This means that the same system can be used equally in a single-family detached house, in an airport or even on board of a luxury ocean liner.

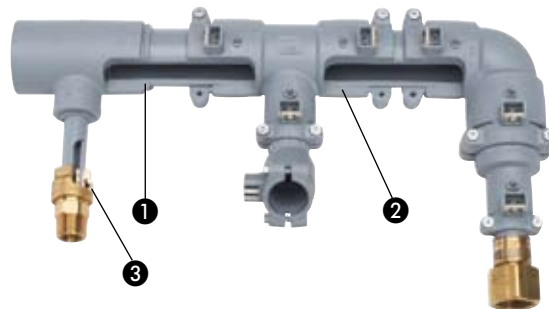
The pipes with diameters ranging from d16 - d25 mm are protected with an outer protection pipe. In the event of damage (e.g. drilling damage), individual pipes can be easily replaced without needing to open up the wall.



## Connection technology for a minimum of fuss

GF Piping Systems offer the perfect connection technology for every application:

- Electrofusion fittings for fast and safe connection on-site
- Socket fusion as a cost-effective prefabricated alternative
- Compression joints for connections and transitions to other materials



- 1 Socket fusion jointing
- 2 Electrofusion jointing
- 3 Compression jointing

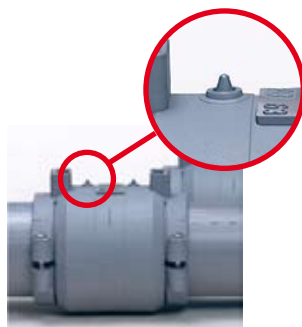




Feel the difference  
in terms of comfort

### Safe and reliable

The welding process is carefully controlled throughout the entire welding time. The joint indicators clearly show when the welding of a fitting is complete.



### Fast

The tried and tested Z dimension method from Georg Fischer can be prefabricated cost-effectively in the workshop. This means that entire components (e.g. cellar distribution bars) can be installed on-site in a very short space of time - allowing you to meet the tightest of deadlines.

### Advantages of the INSTAFLEX system for your application

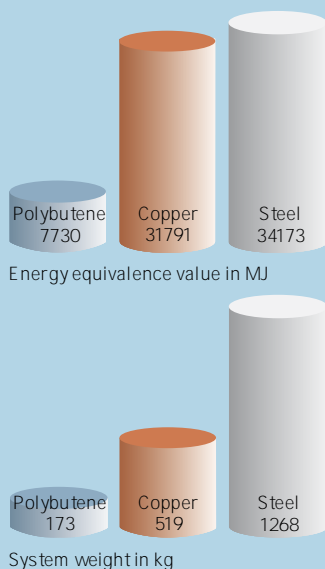
- The intrinsic flexibility of polybutene allows for small changes in direction without adapters. This saves additional parts and valuable time during installation on-site.
- Polybutene remains flexible and easy to handle even at low temperatures.
- Prefabricated ascending pipes can be rolled up and installed quickly and easily in the duct at the construction site.

This means:

- you spend less time on the construction site;
- faster installation;
- greater safety and reliability.



Time to  
enjoy life



Another advantage of plastic is its low weight. This makes it significantly easier to handle and transport components. Unlike a metal system, you won't need a crane to install a plastic system.

**Less is definitely more here:**

The energy equivalence value includes all of the process energy required for every stage in the process - from the raw materials right up to the production of the pipes, formed parts and the necessary thermal insulation. It also includes the energy amounts required to provide any necessary auxiliary materials and to provide the connection technology.

## Plastic pipes - the modern alternative to steel and copper

Plastic pipes offer many advantages over steel and copper.

As a material, polybutene is extremely good in terms of its eco-balance. It can be reused, with the recycled plastic being used for example in noise insulation walls. This saves valuable resources.

In comparison to steel and copper, 4 times less energy is required to manufacture plastic. This helps to protect the environment.







## Corrosion-free

INSTAFLEX is an absolutely corrosion-free drinking water installation. This means that even if the system is not used for an extended period of time, you do not need to worry about water quality - and there is certainly no risk of rust deposits or corrosion.

## Noise-insulating

Of all available pipe systems, polybutene offers the lowest sound velocity index. For example, it is 10 times lower than the value for steel. This means you can always get a good night's sleep, even if your bedroom is right next door to the bathroom.

## Incrustation-free

With the INSTAFLEX system, GF Piping Systems can guarantee that the pipes in your drinking water installation will be free of limescale. The smooth surface of polybutene prevents deposits from forming in the system. As a result, the pipes retain their full internal diameter, and throughput and comfort remain constant at the same high level.

## Hygiene

Water is the most valuable and the most strictly regulated of all of our foodstuffs. In contrast to metals, which can release copper ions, nickel or corrosion deposits into the water, polybutene releases no substances at all that could affect the taste of the water or be harmful in any way. In terms of hygiene and health aspects, INSTAFLEX is totally safe for use in drinking water supply systems.

## Conclusion

The fully plastic INSTAFLEX pipe system offers significant advantages:

- cost-effective prefabricated solution
- quick and safe handling and installation
- long service life
- broad product range
- corrosion-free
- incrustation-free
- noise-insulating
- hygienically safe
- excellent eco-balance.

Choose comfort - choose INSTAFLEX.

