

# Pipe solutions



Rigid and flexible solutions for  
the district heating market

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**Set**  
Set ehf • Set Pipes GmbH



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## Decades of experience



Set Pipes initial production activity can be traced back to the year 1968. Ten years later the company started the manufacturing of pre-insulated steel pipes with plastic protective casing. Today, Set Pipes is the only manufacturer of insulated pipes and plastic pipes in Iceland.

The company is a privately run family business and not on the stock market, despite the huge success on the domestic market and export in recent years. Set Pipes has invested continuously towards internal technology, worked on numerous development projects, and placed great emphasis on staff training and education. Ensuring a very strong team of qualified staff is by far the most important resource of the company within the competition that prevails in the

manufacturing of pre-insulated pipes for district heating thermal utilities.

Iceland was among the first countries in the world to use geothermal water for house heating. Situated in the middle of the North Atlantic ocean on the plate boundary of the North American plate and the European plate. Geothermal energy lays very high in the earth's crust and widely accessible throughout the country.

Set has participated in projects related to the acquisition of geothermal and commercial use. These projects have been technically challenging and provide strong demands for Set Pipes.

Approximately 96% of all buildings in Iceland are heated with geothermal energy, and it is thought

that the Icelandic piping system is about 5,000 km long. It is estimated that between 15% and 20% of the nation's standard of living can be attributed to the resource that has been called the white gold.

Set Pipe has taken part in activities outside Iceland, related to insulated material. Producing for numerous specialty projects, oil and gas pipelines, cooling systems, insulated and heated piping systems for water and sewer systems in Northern countries as well as working with many reputable manufacturers of products required for district heating pipes, joint material, fittings, valves, expansion pieces, pumps and other necessary accessories.

## Our services



### Pre-insulated steel pipes

Set Pipes has over 30 years experience producing pre insulated steel pipes for district heating networks. Pipes are insulated with polyurethane insulation foaming technic with excellent insulating quality to meet the customers demand of minimum heatloss and aging effect. Pipes are covered with polyethelyne casing and can be covered with other material upon special request

The pre-insulated pipes are also used for district cooling, insulated water and sewer systems.

Pipes are produced to meet the requirements of Euronorm EN253 and EN448.



### Flexible pipe systems

Set Pipes offers a wide range of flexible pipes. Pipes are insulated with flexible Polyurethan foam and covered with PEL casing to give the pipe better flexibility. The carrier pipes can be manufactured as single or dual pipe. Carrier pipes that we offer are PEX A sdr 7.4 and 11, steelflex, copper and Alupex. Flexible pipes from SET and joint connectors are produced in accordance with characteristics, measurements, strength and quality required by European standards: EN 15632 for pre-insulated flexible pipes.



### Jointing and connections

Set Pipes offer a wide range of solutions for connecting pipes and are continuously aiming to produce new and better solutions for jointing. Set Pipes offer all standard insulated connectors for insulated steel networks along with insulated tees, bends and forks for insulated flex systems, both single and dual.

Standard jointing material, shrink tubes, foam bags, pur shells and copper couplers are also available.



### Other products

Set Pipes produce pipes for all areas of piping solutions. PVC pipes for sewage, waste water, PE pipes for pressure water and conduit pipes for electrical wiring, PP pipes for pressure water and sewage, large diameter spiral wound PE pipes for sewage, waste water and building ventilation systems. Sticks for electrical and cable marking, road sticks, manholes and chambers for waste water.

Set Pipes are also capable of producing to customers specific needs and have experience with a number of special projects such as liquid gas lines, asphalt pipes, oil pipes and cooling tanks.

# We work with you



## Contact us

Our staff is ready to answer any requests or questions. Product information and technical data can be obtained upon request.



## Designing

Set Pipes technicians provide advice regarding designing, constructing, and operating heat supply networks.



## Production

Process methods and secure quality-control, ensure that the company delivers excellent products that meet all requirements.



Set Pipes constantly works on various innovative projects and improvements in production technology.

# Customer support



## Technical support

Set Pipes have a specialized technical team to advise customers in material choice for small or large projects and can, in cooperation with the client, design specialized items to accommodate customers needs in all fields of piping.

Set Pipes offers technical support for quality inspection and analyzing pipelines and projects.

Technical data sheets for all production categories are available as well as 3D drawings for all insulated fittings.



## Delivery

Set Pipes quote delivery time as accurately as possible and maintains a positive customer review regarding project delivery deadlines. Having a large standard stock ensures quick response to customers demands.

# Technical strength



Set produces numerous types of plastic pipes for other uses than hot water such as for portable water, sewage systems, floor heating, and protective conduit pipes for electrical wiring and optical fiber cables. Set Pipes technological expertise lies in several key areas.

**1** Extrusions of thermoplastics where the number of different types of raw materials are formulated into various types of pipes for various applications. Pipes made of polyethylene, polypropylene, polybutylene, and polyvinylchloride plastic materials.

**2** Foam technology to produce insulation foam around different media pipe. Polyurethane materials, from two components, Polyol and Isosianate. Set Pipes use different tools and methods, depending on product.



Steel and plastic construction of numerous types of fittings adapters are produced in the high tech equipped fittings construction departments of Set Pipes with the latest technology for cutting, bending, shaping, welding and PU foaming.

In all production departments within Set Pipe companies, production methods, approved raw material, trained personnel, internal and external quality control ensure good and uniform product quality. Set Pipes has strict guidelines that allow no price competition or savings in material usage to compromise the quality of the product in any way. Positive customer feedback and type test results confirm safe and equal quality.

Set Pipes constantly works on various innovative projects and improve-

ments in production technology, receiving feedback, advice and requests from the market especially within the rapidly growing central house heating market, primarily in Europe.

Continuous development in the search for environmentally friendly energy solutions and greater emphasis on protecting and utilizing heat energy as much as possible, allows Set Pipes the opportunity to participate in the protection of nature and its resources.

Set Pipes, with four decades of experience provides a stable background for dealing with projects in the field of energy and environmental issues in the coming years, focusing on manufacturing and servicing for the international market.



Iceland's geographic location has enabled Set Pipes to serve both markets to the east and west.

## Production in Iceland and Germany



Set Pipes operates its main company in Selfoss Iceland, with a strong manufacturing division that handles the production of numerous of products.

A second modernly equipped factory is owned in Germany, where the main focus is on the production of pre-insulated district heating pipes. Set Pipes GmbH is located in Haltern am See in Nord Rhein Westphalia. The location of the factory in Europe was not chosen by coincidence but with the efficiency of logistics in mind. Located in the center of Western Europe in close proximity to all major raw materials suppliers and markets in EU for the company's

customers and transportation routes to more distant destinations.

The factory in Iceland serves the domestic market but are well located for projects on the US and Canadian markets. Iceland's geographic location has enabled Set Pipes to serve both markets to the east and west.

Iceland is between North America and Europe geographically, economically and culturally. The nation has a long democratic tradition and rich history in natural resources including thermal and electrical energy.



Set pipes GmbH has a modernly equipped factory in Germany.

# Contact **US**

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