GF Building Flow Solutions

JRG Sanipex MT

Genius does not age! The best basis for a top-grade potable water.

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The best basis for top-grade potable water

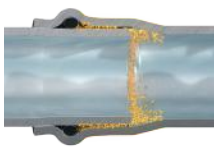
System description

The JRG Sanipex MT installation system developed by Georg Fischer JRG AG has proven successful in the market for more than 20 years. The cross-linked PE-X multi-layer composite pipes and the fittings produced using a special two-layer plastic injection technique are connected by means of a union nut. The adapter fittings and system fittings are made of gunmetal. All materials are hygienically safe and fully comply with the legal

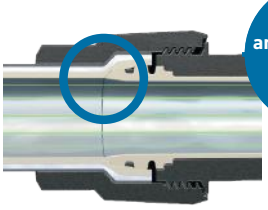
The JRG Sanipex MT system is highly-corrosion resistant. The construction of the pipe connection is free of water pockets and offers full flow rates without any reduction of the internal cross-section plus multiple safety. JRG Sanipex MT connections are detachable and reusable, which brings enormous benefits when extending an installation.

Simple and handy tools help reduce assembly times. JRG Sanipex MT is the ideal system for drinking water systems, heating, cooling, air conditioning, compressed air and many other applications to be installed in distribution lines, risers and connection lines in detached houses as well as in large buildings.

System with water pockets



JRG Sanipex MT water-pocket free



Advantages

+ Plumbers

Detachable and reusable connections
Can be easily detached and reinstalled without additional fittings

Installation possible without external power supply
Using simple tools, connections are possible in all dimensions

Hygienically impeccable connections
Full piping cross-section without water pockets thanks to clamp technology

+ Home owners and planners

Highly safe and hygienically impeccable
Water pocket free design prevents proliferation of Legionella and bacteria

Highly corrosion and limescale resistant
Prevents clogging of pipes and pipe bursts as well as calcification of household appliances

Certified as Green Building Product
Environmentally friendly and recyclable materials – certified by BREEAM, LEED and DGNB

Comfort
Lowest pressure losses and noise pollution due to the cone grip union connection

Specifications

Materials	PE-Xa, PE-Xc, PE-Xc/AL/PE-X, PPSU/PA-GF, gunmetal
Dimension range	d12 - d63
Connection technology	Flared fitting
Operating pressure	Up to 1,000 kPa (10 bar)
Operating temperature	0 °C (up to 95 °C for short periods of time)
Pipe dimensions	d 12, 16, 20, 26, 32, 40, 50, 63 DN 8, 12, 15, 20, 25, 32, 40, 50
Applications	Building technology, maritime applications, industrial applications, hot and cold-water distribution, heating and air-conditioning applications, compressed air, demineralized water, vacuum
Installation	Surface and concealed conduits from distributor to tapping points
Pipes	Multilayer composite and PE-X pipes
Fittings / system components	Gunmetal and plastic

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System components

Materials

Pipes

Multilayer composite pipes combine the advantages of both plastic and metal. Thanks to the flexibility of plastic and the strength of metal, the pipes are ideally suited to withstand the wide range of temperatures and pressures in both cold and hot water systems.

The pipe consists of five layers: An extruded inner layer of PE-X, bonding agent, longitudinally butt-welded aluminium pipe, another adhesive layer and an extruded PE outer layer. PE-X was developed by renowned manufacturers for building technology applications and is approved for use in both food and drinking water sectors.

Fittings

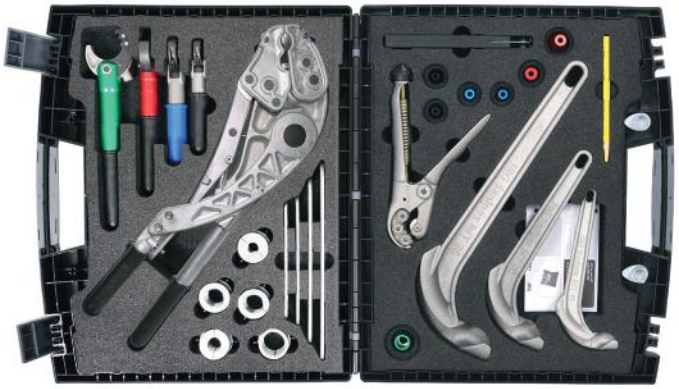
The fittings, such as elbows, tees and reductions, are produced as fitting-in-fitting. The water-bearing white inner layer is made of hot water resistant PPSU and the mechanically robust black external fitting is made of PA with a 30% glass fibre reinforcement.

Battery-powered hydraulic tool

- Expansion and bending of multi-layer composite pipes with one tool

Hand tool

- Efficient assembly of PE-X and multilayer composite pipes
- Simple hand tools, no external power needed

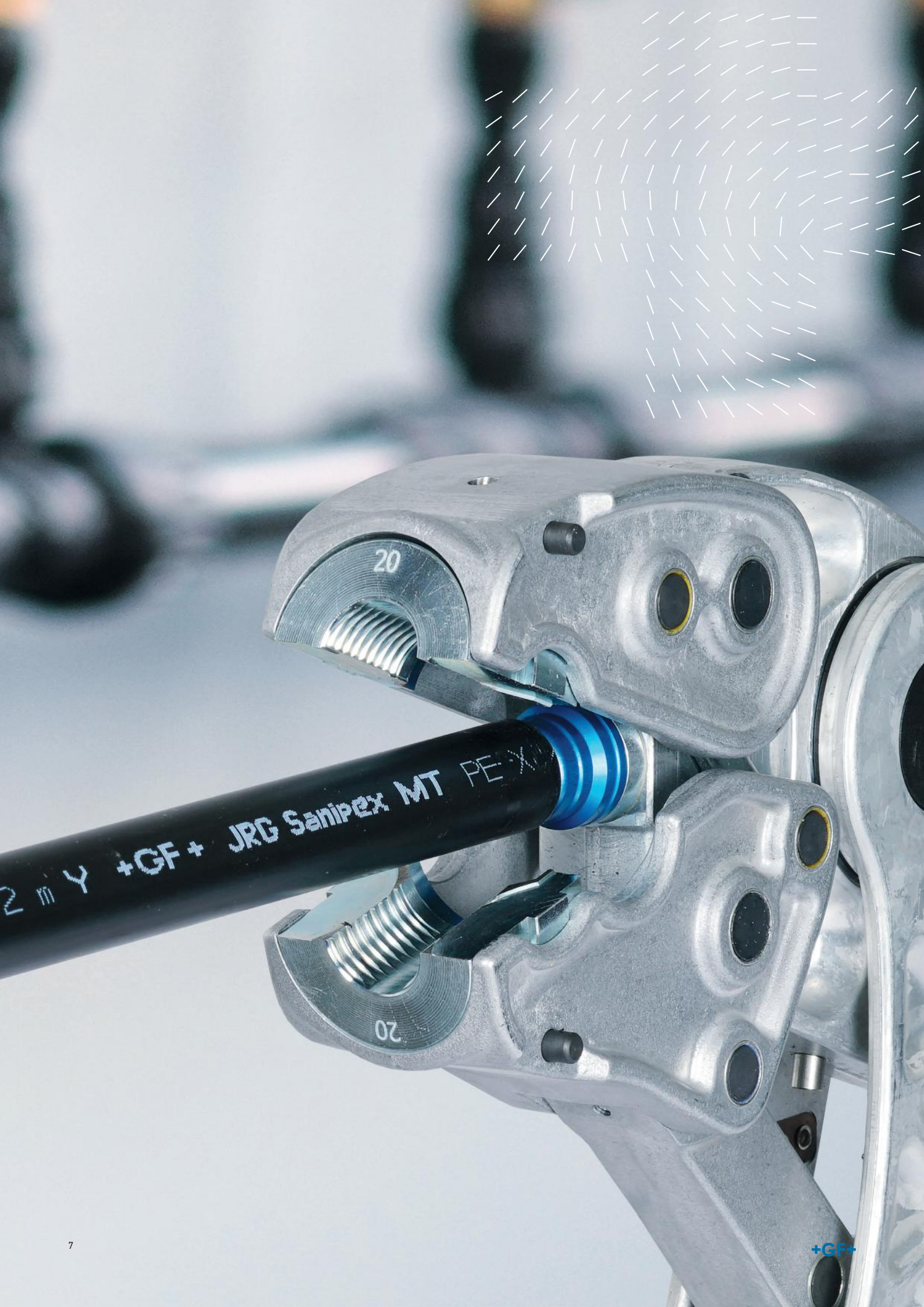


Power tool

- Quick change-over of the expansion unit for the application with multilayer composite pipes

Bending tool

- Ensuring lowest possible pressure loss and cost-efficient thanks to reduced number of fittings
- Fewer sealing points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Leading with Water

Uponor Corporation
Ilmalantori 4
00240 Helsinki
Finland

www.uponor.com

37 100 62
e / 03.25

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