

Media Release

Schaffhausen, Switzerland
Date, time, etc.

COOL-FIT 2.0 The Revolution for Efficient Cooling

To meet modern society's growing populations and their need for comfort and safety, GF Piping Systems introduces its new COOL-FIT 2.0 pre-insulated PE100 plastic pipe system.

COOL-FIT 2.0 is the non-corroding, non-condensing solution for the transport of chilled water in climate control systems inside residential and commercial buildings as well as for data centers and industrial process cooling.

The system uses the tried and tested electrofusion jointing technique known from the ELGEF system, with industrial grade PE100 as the carrier pipe. All components are pre-insulated with GFHE* insulation (0.022 W/m.K), together with a load bearing, robust outer jacket in black HD-PE or stainless steel. This unique combination leads to highly competitive characteristics:

- 100% corrosion free
- 50% faster installation
- 30% higher energy efficiency

COOL-FIT 2.0 is a PN16 system suitable for fluid temperatures from 0°C to +60°C. The carrier pipe/jacket dimensions range from d32 mm/75mm to d140 mm/200 mm. Both pipe and fittings are pre-insulated with GFHE* to a thickness of 20 millimetres. GF valves, plastic to metal transitions, as well as hoses for easy connection to appliances are all also provided pre-insulated.

30 percent higher energy efficiency

The pre-insulated system is revolutionary efficient to reduce running costs and CO2

footprint. U-values (heat transfer) of COOL-FIT 2.0 pipe are between 1.0 and 3.8 W/m.K, up to 30 percent better than traditional steel pipes with foamed NBR rubber insulation.

Installation times reduced by at least 50 percent

COOL-FIT 2.0 combines three products – carrier pipe, insulation and jacket – into one revolutionary new product. The 3-in-1 concept ensures “on-site” time is reduced to an absolute minimum. No post insulation of pipe system and no time consuming and expensive pre-insulated pipe supports or blocks are required.

Application areas

+6°C / +12°C	Chilled water in air conditioning
+15°C to +45°C	Industrial cooling water
+5°C/ +8°C	Rack cooling water in data centres
+35°C	Water and glycol solutions for outdoor cooling towers

*GFHE : High Efficiency closed cell, rigid insulation from GF

For further information please contact

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About GF Piping Systems

GF Piping Systems is a division of the Georg Fischer AG group of companies which also includes GF Automotive and GF Machining Solutions. Founded in 1802, the Corporation is headquartered in Schaffhausen, Switzerland, and serves its customers in more than 100 countries. At more than 30 locations across Europe, Asia and North/South America GF Piping Systems develops and produces products for the safe transport of liquids and gases in industry, utilities and building technology. In 2015, GF Piping Systems has generated sales of 1.42 billion CHF and employed over 6,000 people worldwide.

For more information, visit www.gfps.com